THE JOURNAL OF GENERAL CHEMISTRY OF THE USSR

(ZHURNAL OBSHCHEI KHIMII)

Volume XXVII, 1957

Index

A Publication of the Academy of Sciences of the U.S.S.R.

IN ENGLISH TRANSLATION

Copyright, 1959

CONSULTANTS BUREAU, INC.

227 West 17th Street

New York 11, N. Y.

Printed in the United States

	Domestic	Foreign
Annual Subscription	\$90.00	\$ 95.00
Annual Subscription for libraries of		
non-profit academic institutions	30.00	35.00
Single Issue	10.00	
Index	10.00	

Note: The sale of photostatic copies of any portion of the copyright translation of Zhurnal Obshchei Khimii is expressly prohibited by the copyright owners,

THE JOURNAL OF GENERAL CHEMISTRY OF THE USSR

- Index -

Volume 27, Numbers 1-12

January-December 1957

CONTENTS

		-		PAGE
ORIGINAL TABLES OF CONTENTS:				
January	• • •			1
February	• •			4
March				8
April				12
May				16
June				20
July	• •			24
August			 •	28
September				32
October				35
November				38
December				42
AITHOR INDEX				45

JOURNAL OF GENERAL CHEMISTRY OF THE USSR IN ENGLISH TRANSLATION

January, 1957

		Russ.
	Page	Page
The Preparation and Some Features of Thorium Sulfides. G. V. Samsonov and		
N. M. Popova	1	3
The Preparation of Barium Cis-Borotungstate. E. A. Nikitina and O. N. Sokolova	9	10
A Study of the Laws Governing the Distribution of Isomorphous Components on Crystallization From Aqueous Solution, Involving the Use of Radioactive Indicators. II. The Study of the Distribution of the Components in the System FeSO ₄ ·(NH ₄) ₂ SO ₄ ·6H ₂ O - H ₂ O Using the Radioactive Indicator Zn ⁶⁵ . N. I. Silantyeva and G. I. Gorstein	13	14
A Study of Complex Formation in Solutions of Ternary Systems by the Methods of Physico – Chemical Analysis. VII. The System AlBr ₃ –(C ₂ H ₆) ₂ O – C ₆ H ₆ .	40	20
E. Ya. Gorenbein and V. L. Pivnutel	19	20
The Composition of Borates in Aqueous Solution. E. M. Schwarz and S. G. Vimba	23	23
The Properties of Acids and Bases in Acid Solvents. X. Acid-Base Titration in Mixtures of Acetic and Formic Acids. The Influence of the Permittivity of the Solvent on the Strength of Acids. A. M. Shkodin, L. I. Karkuzaki	04	90
and M. T. Khimenko	31	29
Certain Properties of Supersaturated Solutions of Na ₂ SO ₄ and its Crystalline Hydrates, Khr. Balarev	37	34
The Viscosity of Binary Systems with Chloral. IV. V. V. Udovenko and R. I. Khomenko	41	37
The Application of Chromatography to the Study of the Reactions of Dimethyl- glyoxime with Metal Cations, I. A. M. Gurvich	45	40
The Synthesis of 1,1-Diphenyl-4(or 4,4)-Alkyl(or Aryl)Alkanes Via 3,3-Diphenyl-butyronitrile. A. D. Petrov and V. M. Vdovin	51	45
The Reaction of Chloroalkylchlorosilanes with Aromatic Compounds in the Presence of Metallic Aluminum. E. A. Chernyshev and M. E. Dolgaya	55	48
A Study of the Changes Undergone by B-Glycols of the Acetylene Series. L. The Synthesis and Changes of 2,4-Dimethyl-6-phenylhexyne-5-		
diol-2,4. T. A. Favorskaya and L. A. Pavlova	59	52
1,1,3,3-Tetraalkoxypropanes. T. V. Protopopova and A. P. Skoldinov	65	57
β-Aminovinyl Ketones. VII. The Reaction of β-Chlorovinyl Ketones with Tertiary Amines. V. T. Klimko, A. Ya. Khorlin, V. A. Mikhalev,		
A. P. Skoldinov and N. K. Kochetkov	69	62
The Mechanism of the Hofmann Reaction. S. I. Kanevskaya and D. S.		
Yaskina	73	65
The Synthesis of Substituted Ethylenediamines by the Hofmann Reaction. S. I. Kanevskaya and D. S. Yaskina	77 (conti	68 inued)

TABLE OF CONTENTS		Russ.
	Page	Page
The Synthesis of Quinuclidone-2,L. N. Yakhontov and M. V. Rubtsov	83	72
The Synthesis of 3-Methylquinuclidine-2-carboxylic Acid. E. E. Mikhlina and		
M. V. Rubtsov	89	77
Tetralin Hydroperoxide. The Preparation of Certain ac- α -Derivatives of		
Tetralin. I. I. Chizhevskaya and Z. B. Idelchik	95	83
Heterocyclic Compounds. 49. Synthetic Pain-Relieving Materials. XI. Esters		
of 1-Carbalkoxyalkyl-2,5- dimethyl-4-piperidols. I. N. Nazarov, R. I.		
Kruglikova and L. A. Bukhtenko	101	88
Heterocyclic Compounds, 50, Synthetic Pain-Relieving Materials, XIII. The		
Action of Primary Amines on 8,8-Dimethyldivinyl Ketone and 1-Methoxy-5-methyl-4-hexene-3-one. The Esters of 1,2,2-Trimethyl-4-phenyl-4-piperidol.		
I. N. Nazarov and S. M. Makin	107	94
	20.	
Heterocyclic Compounds. 51. Synthetic Pain-Killing Substances. XIV. Esters of 1,2,5-Trimethyl-4-phenyl-4-piperidol With Functional Groups on the Acyl		
Radical. Analogs of Promedol and Isopromedol. I. I. N. Nazarov, S. M. Makin		
and A. F. Grapov	115	101
Furan Compounds. VII. Two-Stage Hydrogenation of Furfurylidene Ketones.		
Z. V. Til, I. Markushina, K. Sapunar and A. A. Ponomarev	125	110
Structure and Transformations of N-Nitrotriazenes. II. Methylaryl-N-nitrotriazenes.		
N. M. Baranchik, I. V. Grachev and D. Z. Zavelsky	133	117
Investigations on Imidazole Derivatives. XV. Nitration of Benzimidazolone and of		
1,3-Di-methylbenzimidazolone. L. S. Efros and A. V. Eltsov	143	127
Investigation of Myrcene Dioxide. G. V. Pigulevsky and N. A. Adrova	151	136
2-Propylcamphane and its Derivatives. A. S. Zabrodina, K. M.		
Suvorova and S. Z. Sheinina	153	138
Preparation of Quaternary Salts of Weak Organic Bases. A. I. Kiprianov and A. I.		
Tolmachev	157	142
Interaction of Phosphorus Pentachloride With Some Halogenated Olefins, Yu. M.		
Zinovyev, V. N. Kulakova and L. Z. Soborovsky	167	151
Synthesis of Dichlorophenyltriacetoxysilane and its Hydroxy Derivatives. K. A.		
Andrianov, A. A. Zhdanov and E. F. Morgunova	173	156
Benzalazine and its Derivatives. I. The Action of Hydrogen Chloride on Benzala-		
zine and its Derivatives. B. M. Bogoslovsky and T. I. Yakovenko	177	159
The Reaction of Dialkylphosphorus Acids with Aldehydes and Ketones. X. Esters of		
a -Hydroxy-nitrobenzylphosphinic Acids. V. S. Abramov	187	169
The Reaction of Dialkyl Phosphorus Acids with Aldehydes and Ketones. XI. Esters		
of a -Hydroxy-p-methylbenzylphosphinic Acid. V. S. Abramov and Sh. Pall	191	172
Reactions of Dialkylphosphorous Acids With Aldehydes and Ketones. XII. Esters of		
a -Hydroxy- a -furylphosphinic and a -Hydroxy- a -thenylphosphinic Acids.		
V. S. Abramov and A. S. Kapustina	193	173
Tetraacyloxysilanes in Organic Synthesis. X. Silicoanhydrides of Monobasic Saturated		
Organic Acids in the Synthesis of Alkyl-8 - chlorovinyl Ketones. Yu. K. Yuryev		
and G. B. Elyakov	197	176
The Chemistry of Selenophene. V. Selenophene-2-aldehyde, Selenophene-2-		
carbinol and Selenophene-2-acrylic Acid. Yu. K. Yuryev and N. N. Mezentsova	201	179
Salts of Bis -quaternary Ammonium Bases. B. V. Matveev and M. Z. Zalmanovich .	205	182
	(co	ntinued)

7.601	Page	Russ,
Synthesis of N-substituted Methacrylamides. I. Carboxy- and Carbalkoxyphenyl		
methacrylamides. M.M. Koton, T.A. Sokolova and G.M. Chetykina	209	185
The Reaction of Acid Chlorides with some Hydroxymethyl Compounds. K.G. Mizuch,		
N.M. Kasatkin and Ts, M. Gelfer	213	189
Reactions of Acyl Peroxides with Mercury. G.A. Razuvaev and Yu. A Oldekop	221	196
Synthesis of Azo Dyes Based on 4,4'-Diaminodiphenylurea. D.F. Kutepov and		
Z.G. Vukolova	225	200
Cyanine Dyes, X. Some Merocyaninocarbocyanines. M.V. Deichmeister, I.I. Levkoev		
and E.B. Lifshits	227	202
Merocyanine Dyes of Rhodanine Derivatives. VII. The Reaction Products of 3-Ethyl-5-		
(3'- ethyl-6'- diethylaminobenzothiazolin-2'- ylideneethylidene)- thiazolidin-2-		
thion-4- one with Dimethyl Sulfate and their Transformations. Z.P. Sytnik and		-
L.D. Zhilina	241	215
The Additive Capacity of a Double Bond at a Tertiary Carbon. Reaction of Chlorine		
with 1,3-Dienes. D. Tishchenko, A. Abramova and E. Yarzhemskaya	253	227
Steric Hindrance and Reactivity. VI. Kinetics for the Acylation of 2-Aminofluorene and		
2-Amino-7- nitrofluorene. L.M. Litvinenko and A.P. Grekov	261	234
Orientation with Substitution in the Aromatic Series. I. Sulfonation of m-Toluenesulfonic		
Acid. A.A. Spryskov and T.I. Yakovleva	267	239
Triaroxyphosphazosulfonaryls and Diaryl Esters of Arylsulfonamidophosphoric Acids.		
A.R. Kirsanov and R.T. Makitra	273	245
Reaction of \$-Chlorovinyl Ketones with \$-Dicarbonyl Compounds. III. Oxovinylation		
of Malonic ester. A New Synthesis of α-Pyrones. N.K. Kochetkov and L.I.		
Kudryashov	277	248
Indole Derivatives. III. Synthesis of 6-Hydroxy-1,2,3,4- tetrahydrocarbazole		
Derivatives. N.K. Kochetkov, N.F. Kucherova and V.P. Evdakov	283	253
Reactions of Hydrazine Derivatives. XII. Reaction of \$-Dialkylamino Ketones and		
Hydrazine, V.V. Ershov, A.N. Kost and A.P. Terentyev	289	258
Syntheses with Acrylonitrile. XXX. Some 1-Substituted Pyrrolidines and Piperidines.		
A.P. Terentyev and A.N. Kost	293	262
Preparation of Tetraethylammonium Bases for Polarographic Purposes on an Anionite.		
M.N. Platonova	297	264
Free Radical Reactions in Solutions. IX. Dimethyldiphenyltetrazene and Tetramethyl-		
tetrazene as Sources of Free Radicals with a Reaction Center on the Nitrogen Atom.		
B.L. Erusalimsky, B.A. Dolgoplosk and A.P. Kavunenko	301	267
The Preparation of Nitrates of Tetrasubstituted Phosphonium and Arsonium Bases. G.V.		
Medoks and E.M. Soshestvenskaya	305	271
Syntheses in the Cyclopentanonecarboxylic Acid Series. V.G. Yashunsky and V.F.		
Vasilyeva	307	273
Study of the Structure of the Triterpene Alcohol Zeorin. A.A. Ryabinin and L.G.		
Matyukhina	311	277
Some Reactions of Halostachine. G.M. Borodina	317	281

JOURNAL OF GENERAL CHEMISTRY OF THE USSR IN ENGLISH TRANSLATION

February, 1957

	Da	Russ.
	Page	Page
Enthalpy of Formation of Strontium Phosphide. S. A. Shchukarev, M. P. Morozova and Kan Kho Yn	319	289
En thalpy of Formation of Lithium and Barium Bismuthides. S. A. Shchukarev. M. P. Morozova, Kan Kho Yn and V. T. Sharov	321	290
The Enthalpy of Formation of Lithium, Magnesium and Zinc Arsenides. S. M. Ariya, M. P. Morozova, Khuan Tszi-tao and E. Volf	325	293
Anodes From Uranium Dioxide in a Molten Chloride Electrolyte. M. V. Smirnov and L. E. Ivanovsky.	329	295
Some Physicochemical Properties of Barium, Cobalt and Copper Cis-Borotung-states. E. A. Nikitina and O. N. Sokolova	333	299
Heterotriacids. VI. Some Properties of Heterotriacids. A. I. Kokorin and N. A. Polotebnova.	339	304
Study of the Reactions of Polythionates With the Aid of Labeled Sulfur. III. Reaction of the Hexathionate. V. A. Lunenok-Burmakina	345	311
Application of Chromatography to a Study of the Reactions of Dimethyl- glyoxime With Metal Cations. II. A. M. Gurvich	351	316
Viscosity of Binary Systems With Chloral. V. V. Udovenko and R. L. Khomenko	357	322
Investigations in the Field of Alkoxysilanes. VI. Synthesis of Tetraaroxysilanes by Transesterification of Ethyl Silicate With Phenols. M. G. Voronkov and G. B. Karpenko.	361	325
The Effect of Intermolecular Interaction on Bromination in the Binary System Benzene - Nitrobenzene. F. F. Cheshko, L. N. Novikova and O. I. Shevchenko	365	328
Boron Fluoride as a Catalyst in Organic Chemistry, XIII. Alkylation of 2- and 4-Bromophenols by Pseudobutylene and Cyclohexene in the Presence of the Catalysts BF ₃ · H ₃ PO ₄ and BF ₃ · O(C ₂ H ₅) ₂ . S. V. Zavgorodny and V. G.	260	330
Kryuchkova	369 373	334
Investigation in the Field of Cyclic Acetals of Hydroxycarbonyl Compounds. VIII. The Methyl Lactolide of Propylbenzoylcarbinol and its Reactions. T. I. Temnikova and V. A. Ivanova	379	340
Preparation of Methyl Phenyl Ketals of Aliphatic-Aromatic α-Ketoalcohols. G. A. Ugolnikova	383	343
Synthetic Anesthetics. XII. Esters of Tertiary γ-Dialkylaminopropanols and γ-Dialkylaminobutanols. I. N. Nazarov and R. I. Kruglikova	387	346

		Russ.
	Page	Page
Synthesis and Reactions of α-Methylvinyl Ethers of Isoalcohols and Ethylene		
Glycols. V. M. F. Shostakovsky and E. P. Gracheva	397	355
Configuration and Properties of Unsaturated Acids and Their Derivatives. VI.		
The Reactivity of Stereoisomeric Crotonic Acids and Their Esters. A. K.		
Plisov and A. V. Bogatsky.	403	360
Investigation in the Field of Conjugated Systems.LXXII. Hydrogenation of		
Alkenylacetylenes. Kh. V. Balyan, A. A. Petrov and Yu. I. Porfiryeva;	409	365
Investigations in the Field of Derivatives of &-Dicarbonyl Compounds.L.		
Synthesis of B-Chlorovinyl Ketones. V. T. Klimko, V. A. Mikhalev and		
A. P. Skoldinov	415	370
Myrcene Monoxide in Grignard Synthesis. G. V. Pigulevsky and N. A. Adrova	421	375
A New Type of Terpene Reaction. XVII. The Action of Chlorine on ω -Chloro-		
camphene. D. Tishchenko and T. Prokhorchuk	425	377
The Structure of Pyronenes. D. Tishchenko and N. Summ	429	379
	400	0.0
α-Oxides of Alkylfuryl Alcohols. M. M. Azanovskaya and V. I. Pansevich-	435	384
Kolyada	430	304
The Reaction of Diazo Compounds With Sulfamic Acid and its Derivatives.		
IV. The Diazo Salts of Methylaryltriazen-N-Sulfonic Acids. D. Z.	400	200
Zavelsky and L. A. Lishnevskaya	439	388
Hydrophilic Properties and Heats of Swelling of Chitin. N. I. Klenkova and		
E, A, Plisko	449	399
Catalytic Hydrogenolysis in Furan Compounds. N. I. Shuikin and I. F. Belsky	453	402
Investigation in the Field of Imidazole Derivatives. XVI. The Basicity of		
Isomeric 4- and 6-Amino-3-Methylbenzimidazoles. L. S. Efros and B. I.		
Ionin	459	406
The Synthesis of Benzimidazole Compounds Containing the Bis-(8-Chloro-		
ethyl)-Amino Group. O. F. Ginsburg, B. A. Porai-Koshits, M. I. Krylova		
and S. M. Lotareichik	465	411
Haloarylation of Unsaturated Compounds With Aromatic Diazo Compounds.		
III. The Reaction of 4-Chloro-1-Phenylbutene-2 With Potassium Hydroxide		
and a New Method of Synthesizing α-Phenylbutadiene. A. V. Dombrovsky		
and A. P. Terentyev.	469	415
The Haloarylation of Unsaturated Compounds With Aromatic Diazo Compounds.		
IV. Synthesis of B-Arylalkyl Carboxylic Acids. A. V. Dombrovsky, A. P.		
Terentyev and A. M. Yurkevich	473	419
The Nitration of 1-n-Butylnaphthalene, S. I. Sergievskaya and T. S. Safonova	477	421
4-Amino-1-n-Butylnaphthalene and its Transformations. S. I. Sergievskaya and		
T. S. Safonova	483	428
Thiazolidine-4-Carboxylic Acid and its Derivatives. VII. Study of the Products		
of Condensation of α-Amino-β-Mercaptoacids With 4-Chloromethylene-		
2-Phenyl-5-Oxazolone and its Derivatives. N. T. Strukov	487	432 tinued)

	Page	Russ. Page
The Problem of the Mechanism of the Arbuzov Rearrangement. IV. Reaction of α, β-Dibromoethyl Alkyl Ethers With Triisopropyl Phosphite. V. S. Abramov		
and A. I. Bolshakova	497	441
Mixed Esters of Di-Tert-(1,1,1-Trichloro)-Butylphosphorous Acid. V. S. Abramov and V. K. Khairullin	501	444
N-Acylamidophosphoric Acids. A. V. Kirsanov and R. G. Makitra	507	450
Investigation in the Isoxazole Series. III. Synthesis of Arylisoxazoles. N. K.		
Kochetkov, E. D. Khotmutova, M. Ya. Karpeisky and A. Ya. Khorlin	511	452
Derivatives of Hexamethyleneimine. I. Synthesis of N-Alkyl Derivatives of Hexamethyleneimine. G. S. Kolesnikov and N. N. Mikhailovskaya	517	458
The Ketovinylation of Thiophenols. N. K. Kochetkov and V. N. Vinogradova	521	460
Some & -Amino Acids of the Thiophene Series. V. P. Mamaev and T. D. Rubina	525	464
The Synthesis of Branched Aliphatic Hydrocarbons of Composition C ₁₀ - C ₁₅ by the Grignard and Grignard-Wurtz Reactions. A. D. Petrov, V. L. Sushchinsky,	F00	*07
E. P. Zakharov and T. I. Rogozhnikova	529	467
Studies in the Field of Heterocyclic Chemistry, XXVII. The Synthesis and Properties of Monohalogeno Derivatives of 9-Phenylacridine, P. A. Petyunin		
and M. E. Konshin.	539	475
Reactions of Magnesylamines. II. A New Reaction of Aldehydes. P. A. Petyunin and L. A. Tetyueva	545	480
Method For Synthesizing Arylthioureas and the Corresponding Mustard Oils.		
N. I. Volynkin	549	483
Dinitrobenzenesulfonic Acids and Their Esters. A. I. Kiprianov and A. I. Tolmachev	553	486
The Preparation of Linear Polyethylsiloxanes. K. A. Andrianov, I. A. Zubkov, T. A. Krasovskaya and M. A. Kleinovskaya	559	491
The Reaction of Chloroform, Bromoform and Silicochloroform With Sodium		
Triphenylsilanolate. V. S. Chugunov.	563	494
The Reduction of Mercurated Amides of Carboxylic Acids With Esters of Phosphorous Acid. I. F. Lutsenko and V. V. Tyuleneva	565	497
Heterocyclic Compounds. 52. The Synthesis of 1-y-Alkoxypropyl-4-Piperidones		
and 1-y-Dialkylaminopropyl-4-Piperidones. I. N. Nazarov and S. M. Makin	569	499
Heterocyclic Compounds. 53. Synthetic Pain-Relieving Materials. XV. The		
Synthesis of 2,5-Dimethyl-4-Phenyl-4-Piperidols and Their Esters, Con-		
taining γ-Substituted Propyl Radicals on the Nitrogen Analogs of Promedol and Isopromedol, II. I. N. Nazarov and S. M. Makin.	579	510
Cyanine Dyes Containing Fluorine. V. The Synthesis of Cyanine Dyes From		
5- and 6-Trifluoromethoxybenzothiazoles. L. M. Yagupolsky and V. I.	E07	E10
Troitskaya	587	518
The Synthesis of Certain Substituted Hexahydropyrimidines (Piperimidines).	FOE	- 526
I. Ya. Postovsky and N. G. Nosenkova	595 (co	ntinued)

		Russ.
	Page	Page
The Reaction of 6-Monohalogenomethylquinolines With Sodium Dialkyl Phos-		
phites. B. P. Lugovkin	599	529
p-Chlorobenzenesulfonamide and its Derivatives. A. M. Grigorovsky, N. N.		
Dykhanov and Z. M. Kimen	601	531
The Autoxidation of Substituted Alkyl Homologs of Benzene. I. The Pre-		
paration of p-Nitrocumene Hydroperoxide. P. G. Sergeev and A. M. Sladkov	607	538
The Autoxidation of Substituted Alkyl Homologs of Benzene. II, The Preparation		
of p-Acetylcumene Hydroperoxide, P. G. Sergeev and A. M. Sladkov	609	540
The Synthesis of Harmine Derivatives. I. N. I. Koretskaya, A. V. Danilova and		
L. M. Utkin	611	542

March, 1957

THE STATE OF THE S		Russ.
	Page	Page
Tetraheteropolyacids with a Central Phosphorus Atom, VII. A. I. Kokorin	615	549
A Study of the Systems of Zinc Perchlorate, Lithium Halides and Acetone by the Methods of Physicochemical Analysis. M. S. Barvinok	623	557
Separation of Phases in Systems with Two Chemical Compounds. I.L. Krupatkin	627	561
The Application of the Method of Two Solvents to the Study of Interaction in Liquid Systems. I. L. Krupatkin	633	567
The Application of Certain Physicochemical Methods to the Study of Polynuclear Complex Compounds of Cobalt and Chromium. M. S. Skanavi-Grigoryeva and I. P. Staroverova	639	573
The Reactions of Dimethylglyoxime with Iron (III) and Copper Cations in Aqueous Solutions. A. M. Gurvich	645	578
The Viscosity of Binary Systems with Chloral. VI. V. V. Udovenko and R. I. Khomenko	649	583
The Isomerization of Polymethylenic Hydrocarbons Under the Influence of Aluminum Chloride, XX. The Isomerization of Spiro-(4,5)- Decane. M. B. Turova-Polyak, I. E. Sosnina and T. P. Yutkina	653	586
Transformations of α-Oxides. V. V. Korshak and A. A. Ivanova	657	590
Synthesis of 7,8-Dimethyltetradecane. Yu. N. Usov and E. V. Skvortsova	663	596
The Organomagnesium Synthesis and Hydrogenation of Triphenylalkyl-methanes. M. A. Cheltsova and A. D. Petrov	667	600
Quaternary Ammonium Compounds. VI. Cleavage of 2-Butyne- and 2-Chloro-2-butene-1,4-di-(Trialkylammonium Bromides) with Aqueous Alkali. A. T. Babayan, G. M. Mkryan and Sh. L. Mndzhoyan	671	604
Study of the Absorption Spectra of the 2,4-Dinitrophenylhydrazones of Carbonyl Compounds. I. N. Nazarov, L. A. Kazitsyna and I. I. Zaretskaya	675	606
The Structure of the Hydration Products of Divinylacetylene Hydrocarbons. I. N. Nazarov and I. I. Zaretskaya	693	624
Reaction of 3-Methyl-3-ethyl-1-pentyne with the Lower Saturated Mono- basic Acids. A. I. Bolshukhin and A. G. Egorov	715	647
Transformations of Sym. Phenylcyclohexylethylene Oxide and of its Corresponding Sym. Phenylcyclohexylethylene Glycol. A. I. Bolshukhin and A. N. Orlova	719	651
Polymethylene Cycles. XXIII. Synthesis and Transformations of the Di- hydrazones of Cyclohexane- and Cyclopentanediones. N. A. Domnin		
and N. S. Glebovskaya	723	656

Polymethylene Cycles, XXIV, Reaction of Cyclopentane- and Cyclohexane- diones with Dimethylhydrazine, N. A. Domnin and N. S. Glebovskaya 733 665 Study of the Mechanism of the Pinacol Rearrangement by the Deutero- Exchange Method, D. N. Kursanov and Z. N. Parnes 737 668 Synthesis of Vinyl Derivatives of the Furan Series, I. V. Andreeva and M. M. Koton 741 671 The Hydrolysis of Malachite Green Derivatives Containing Methyl and Sulfo Groups, O. F. Ginzburg and P. M. Zavlin 747 678 Alkaromatic Amino Alcohols, IV. Pharmacologically Active Arylteura- hydrooxazoles, S. I. Serglevskaya, L. E. Sventsitskaya and Yu. I. Symeva 751 681 Imidazole Derivatives, XVII. The Tautomerism and Dual Reactivity of Benzimidazolone, L. S. Efros and A. V. Eltsov. 755 684 Synthesis of 3-Hydroxymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov 761 691 Acylation of 6-Aminoanabasine with Nicotinoyl Chloride, N. V. Khromov-Borisov and E. G. Vatkina 765 695 B-(2-Carboxyaryl)- aminopropionic Acids, A. F. Bekhli 769 698 Determination of the Eutectic Fusion of Three- and Four-Component Organic Systems, M. Kh. Gluzman and V. P. Rubtsova 775 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl- chlorosilanes in the Presence of Aluminum Chloride, B. N. Dolgov, M. G. Voronkov and S. N. Borisov 770 Reaction of Triethylsilane with Alkyl Halides, B. N. Dolgov, S. N. 80 710 Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmono- silanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 783 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group, L. B. Dashkevich 797 724 Flormination of Thiazole Derivatives with N-Bromosuccinimide, B. M. Mikhailov and V. P. Bronovitskaya 799 726 Chemistry of Heterocycles, XXVIII, Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles, P. A. Petyunin and V. S. Shklyaev 805 731 B2-Isoquinolinecarboxaldehydes, V. M. Rodionov, E. N. Alekseeva 809 7		Page	Russ.
diones with Dimethylhydrazine. N. A. Domnin and N. S. Glebovskaya. 733 665 Study of the Mechanism of the Pinacol Rearrangement by the Deutero-Exchange Method. D. N. Kursanov and Z. N. Parnes. 737 668 Synthesis of Vinyl Derivatives of the Furan Series. I. V. Andreeva and M. M. Koton. 741 671 The Hydrolysis of Malachite Green Derivatives Containing Methyl and Sulfo Groups. O. F. Ginzburg and P. M. Zavlin 747 678 Alkaromatic Amino Alcohols. IV. Pharmacologically Active Aryltetra-hydrooxazoles. S. I. Sergievskaya, L. E. Sventsitskaya and Yu. I. Synneva 751 681 Imidazole Derivatives. XVII. The Tautomerism and Dual Reactivity of Benzimidazolone. L. S. Efros and A. V. Eltsov. 755 684 Synthesis of 3-Hydrox ymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov 761 691 Acylation of 6-Aminoanabasine with Nicotinoyl Chloride. N. V. Khromov-Borisov and E. G. Vatkina 765 695 B-(2-Carboxyaryl)- aminopropionic Acids. A. F. Bekhli 769 B-termination of the Eutectic Fusion of Three- and Four-Component Organic Systems. M. Kh. Gluzman and V. P. Rubtsova 775 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl-chlorosilanes in the Presence of Aluminum Chloride. B. N. Dolgov, M. G. Voronkov and S. N. Borisov 789 716 Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov 799 720 Synthesis of Sparmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya 799 726 Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva 807 734 Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. 799 726 Chemistry of Heterocycles. XXVIII. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinograd	Polymethylene Cycles VVIV Penation of Cyclenentane, and Cyclehevene	rage	rage
Exchange Method. D. N. Kursanov and Z. N. Parnes		733	665
Synthesis of Vinyl Derivatives of the Furan Series. I. V. Andreeva and M. M. Koton. 741 671 The Hydrolysis of Malachite Green Derivatives Containing Methyl and Sulfo Groups, O. F. Ginzburg and P. M. Zavlin 747 678 Alkaromatic Amino Alcohols, IV. Pharmacologically Active Aryltetrahydrooxazoles, S. I. Sergievskaya, L. E. Svennistiskaya and Yu. I. Synneva 751 681 Imidazole Derivatives, XVII. The Tautomerism and Dual Reactivity of Benzimidazolone, L. S. Efros and A. V. Eluov. 755 684 Synthesis of 3-Hydroxymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov 761 691 Acylation of 6-Aminoanabasine with Nicotinoyl Chloride, N. V. Khromov-Borisov and E. G. Vatkina 765 695 B-(2-Carboxyaryl)- mainopropionic Acids, A. F. Bekhli 769 698 Determination of the Eutectic Fusion of Three- and Four-Component Organic Systems, M. Kh. Gluzman and V. P. Rubtsova 775 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl-chlorosilanes in the Presence of Aluminum Chloride, B. N. Dolgov, M. G. Voronkov and S. N. Borisov 781 709 Reaction of Triethylsilane with Alkyl Halides, B. N. Dolgov, S. N. Borisov and M. G. Voronkov C. 789 716 Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C. 14 in the Carbonyl Group, L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide, B. M. Mikhailov and V. P. Bronovlitskaya 793 726 Chemistry of Heterocycles, XXVIII, Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles, P. A. Petryunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes, V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and its Analogs, I. Synthesis of Dihydrosarkomycin and its Antipode, M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. S	Study of the Mechanism of the Pinacol Rearrangement by the Deutero-		
M. M. Koton 741 671 The Hydrolysis of Malachite Green Derivatives Containing Methyl and Sulfo Groups, O. F. Ginzburg and P. M. Zavlin 747 678 Alkaromatic Amino Alcohols, IV. Pharmacologically Active Aryltetrahydrooxazoles, S. I. Serglevskaya, L. E. Sventistskaya and Yu. I. Syrneva 751 681 Imidazole Derivatives, XVII, The Tautomerism and Dual Reactivity of Benzimidazolone, L. S. Efros and A. V. Eltsov. 755 684 Synthesis of 3-Hydroxymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov 761 691 Acylation of 6-Aminoanabasine with Nicotinoyl Chloride, N. V. Khromov-Borisov and E. G. Vatkina 765 695 B-(2-Carboxyaryl)- aminopropionic Acids, A. F. Bekhli, 769 698 Determination of the Eutectic Fusion of Three- and Four-Component Organic Systems, M. Kh. Gluzman and V. P. Rubtsova 775 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl-chlorosilanes in the Presence of Aluminum Chloride, B. N. Dolgov, M. G. Voronkov and S. N. Borisov 781 709 Reaction of Triethylsilane with Alkyl Halides, B. N. Dolgov, S. N. Borisov and M. G. Voronkov 789 716 Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Sparmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group, L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide, B. M. Mikhailov and V. P. Bronovlitskaya 793 726 Chemistry of Heterocycles, XXVIII, Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles, P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes, V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and Its Analogs, I. Synthesis of Dihydrosarkomycin and its Antipode, M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Frmolaev and E. P. Sermkin 817	Exchange Method. D. N. Kursanov and Z. N. Parnes	737	668
Sulfo Groups, O. F. Ginzburg and P. M. Zavlin Alkaromatic Amino Alcohols. IV. Pharmacologically Active Aryltetra-hydroxazoles, S. I. Sergicvskaya, L. E. Sventsitskaya and Yu. I. Syrneva 751 681 Imidazole Derivatives. XVII. The Tautomerism and Dual Reactivity of Benzimidazolone. L. S. Efros and A. V. Elusov. 755 684 Synthesis of 3-Hydroxymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov 761 691 Acylation of 6-Aminoanabasine with Nicotinoyl Chloride. N. V. Khromov-Borisov and E. G. Vatkina 765 695 8-(2-Carboxyaryl)- aminopropionic Acids. A. F. Bekhli Organic Systems. M. Kh. Gluzman and V. P. Rubtsova. 776 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl-chlorosilanes in the Presence of Aluminum Chloride. B. N. Dolgov, M. G. Voronkov and S. N. Borisov Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov Opendence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich Formination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bromovitskaya Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vieduts Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukhna, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Fromolaev and E. P. Semkin 817 742		741	671
Sulfo Groups, O. F. Ginzburg and P. M. Zavlin Alkaromatic Amino Alcohols. IV. Pharmacologically Active Aryltetra-hydroxazoles, S. I. Sergicvskaya, L. E. Sventsitskaya and Yu. I. Syrneva 751 681 Imidazole Derivatives. XVII. The Tautomerism and Dual Reactivity of Benzimidazolone. L. S. Efros and A. V. Elusov. 755 684 Synthesis of 3-Hydroxymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov 761 691 Acylation of 6-Aminoanabasine with Nicotinoyl Chloride. N. V. Khromov-Borisov and E. G. Vatkina 765 695 8-(2-Carboxyaryl)- aminopropionic Acids. A. F. Bekhli Organic Systems. M. Kh. Gluzman and V. P. Rubtsova. 776 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl-chlorosilanes in the Presence of Aluminum Chloride. B. N. Dolgov, M. G. Voronkov and S. N. Borisov Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov Opendence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich Formination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bromovitskaya Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vieduts Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukhna, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Fromolaev and E. P. Semkin 817 742	The Hydrolysis of Malachite Green Derivatives Containing Methyl and		
hydrooxazoles, S. I. Sergievskaya, L. E. Svenisitskaya and Yu. I. Syrneva	Sulfo Groups, O. F. Ginzburg and P. M. Zavlin	747	678
Imidazole Derivatives, XVII. The Tautomerism and Dual Reactivity of Benzimidazolone. L.S. Efros and A. V. Eltsov			
Benzimidazolone. L. S. Efros and A. V. Eltsov	Syrneva	751	681
Synthesis of 3-Hydroxymethyl-3- carboxymethylquinuclidine Lactone. E. E. Mikhlina and M. V. Rubtsov	· · · · · · · · · · · · · · · · · · ·		
E. E. Mikhlina and M. V. Rubtsov	Benzimidazolone. L. S. Efros and A. V. Eltsov.	755	684
Khromov-Borisov and E. G. Vatkina 8 - (2-Carboxyaryl)- aminopropionic Acids. A. F. Bekhli. 769 698 Determination of the Eutectic Fusion of Three- and Four-Component Organic Systems. M. Kh. Gluzman and V. P. Rubtsova. 775 704 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl- chlorosilanes in the Presence of Aluminum Chloride. B. N. Dolgov, M. G. Voronkov and S. N. Borisov 781 709 Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov 789 716 Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmono- silanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya 799 726 Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin 817 742		761	691
B-(2-Carboxyaryl)- aminopropionic Acids, A. F. Bekhli	Acylation of 6-Aminoanabasine with Nicotinoyl Chloride. N. V.		
Determination of the Eutectic Fusion of Three- and Four-Component Organic Systems. M. Kh. Gluzman and V. P. Rubtsova. 775 The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl- chlorosilanes in the Presence of Aluminum Chloride. B. N. Dolgov, M. G. Voronkov and S. N. Borisov 781 Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov 789 The Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmono- silanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich 797 Table Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya 799 Table Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Frmolaev and E. P. Semkin 817 Table Templaev and E. P. Semkin 817	Khromov-Borisov and E. G. Vatkina	765	695
Organic Systems. M. Kh., Gluzman and V. P., Rubtsova	8-(2-Carboxyaryl)- aminopropionic Acids. A. F. Bekhli	769	698
chlorosilanes in the Presence of Aluminum Chloride. B. N. Dolgov, M. G. Voronkov and S. N. Borisov Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov 789 716 Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya 799 726 Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin 817 742	·	77 5	704
Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya 799 726 Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin 817 742	The Catalytic Transformations of Alkyldichlorosilanes and Dialkyl-		
Reaction of Triethylsilane with Alkyl Halides. B. N. Dolgov, S. N. Borisov and M. G. Voronkov		701	700
Borisov and M. G. Voronkov		101	109
Dependence of the Yields of Tetrasubstituted Alkyl- and Arylmonosilanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya 793 720 Synthesis of Spasmolytine, Labeled with Radioactive Carbon C ¹⁴ in the Carbonyl Group. L. B. Dashkevich 797 724 Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya 799 726 Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin 817 742		789	716
silanes on the Values of the Charges and Radii of the Cations of Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya			
Salts of Fluosilicic Acid. G. V. Medoks and E. M. Soshestvenskaya	·		
Carbonyl Group. L. B. Dashkevich		793	720
Bromination of Thiazole Derivatives with N-Bromosuccinimide. B. M. Mikhailov and V. P. Bronovitskaya	Synthesis of Spasmolytine, Labeled with Radioactive Carbon C14 in the		
Mikhailov and V. P. Bronovitskaya	Carbonyl Group. L. B. Dashkevich	797	724
Chemistry of Heterocycles. XXVIII. Synthesis and Properties of 1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev 805 731 Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vleduts 809 734 Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin 817 742		500	706
1-Phenyl-3,3-diaryloxindoles. P. A. Petyunin and V. S. Shklyaev		799	120
Bz-Isoquinolinecarboxaldehydes. V. M. Rodionov, E. N. Alekseeva and G. Vleduts Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin		805	731
and G. Vleduts			
Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin		809	734
its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin			
G. A. Ravdel, Yu. B. Shvetsov, E. M. Bamdas, E. S. Chaman, K. M. Ermolaev and E. P. Semkin	its Antipode. M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova,		
Frmolaev and E. P. Semkin			
	Ermolaev and E. P. Semkin		742

	_	Russ.
	Page	Page
The Nitration of 1-Ethylnaphthalene, 4-Nitro- and 4,5-Dinitro-1-ethylnaphthalenes. S. I. Sergievskaya, T. S. Safonova and G. Ya. Uretskaya	823	749
Derivatives of Alkylphosphinous and Dialkylphosphinic Acids. V. Esters and Amides of Dialkylphosphinic Acids and Their Biological Activity.	007	ar.
A. I. Razumov, O. A. Mukhacheva and I. V. Zaikonnikova	827	754
Spatial Structure and Reactivity. VII. The Interaction of Atomic Groupings Remote from One Another According to the Data of an Investigation of the Kinetics of Arylation of 4-Aminodiphenyl Oxide and 4-Amino-4*- nitrodiphenyl Oxide. L. M. Litvinenko, R. S. Cheshko and A. D. Gofman	831	758
Derivatives of ω -(2,4-Diamino-1,3,5-triazyl-6)-alkylcarboxylic Acids.		
II. Interaction of N'-Phenylbiguanide with Oxalic Ester. S. V. Sokolov-skaya, V. N. Sokolova and O. Yu. Magidson	839	765
Condensation of Aniline, o-Toluidine and Their N-Monoalkyl-Substituted Derivatives with Formaldehyde in an Acid Medium. Preparation of		
Symmetrical Diaminodiarylmethanes. O. Ya. Fedotova, M. A. Askarov and I. P. Losev	849	775
Preparation of α-Chlorosulfides by the Diazo Method. K. A. Petrov, G. A. Sokolovsky and A. A. Neimysheva	855	780
The Sulfonation Reaction. XLII. Preparation and Properties of Naphthalene- 1,7-Disulfonic Acid and Its Derivatives, A. S. Spryskov and O. S. Ivanova	859	784
The Synthesis of 1,2- and 1,4-Benzenedisulfonic Acids. B. I. Karavaev and S. P. Starkov.	863	788
The Interaction of Hydrazine with Nitro Compounds of the Anthraquinone Series. N. S. Dokunikhin and I. D. Pletneva	865	791
A New Type of Transformation of Terpenes. XVIII. Dehydroterpenes.		
D. Tishchenko and T. Danilova	869	794
A New Type of Transformation of Terpenes. XIX. The Action of Chlorine		
on B-Pyronene. D. Tishchenko and N. Summ	87 5	799
Catalytic Hydrogenation of Menthene Oxides. G. V. Pigulevsky and S. A.	070	803
Kozhin	879	
Linalyl Chloride and its Properties. G. V. Pigulevsky and L. A. Bakina	891	816
Autoxidation of Substituted Alkyl Homologs of Benzene. III. Preparation of p-Acetylbenzoic Acid. P. G. Sergeev and A. M. Sladkov	893	817
The Autoxidation of a Methylene Group Attached to an Aromatic Nucleus. Preparation of Esters of Phenylglyoxylic Acid. P. G. Sergeev and A. M.	895	819
Sladkov	000	010
Investigations on Quinones. XV. Condensation of p-Benzoquinone with Benzoylacetic Ester. A. N. Grinev, Pan Bon Khvar and A. P. Terentyev	897	821
Mercapto Analogs of Lysine and some of their Derivatives. I. Synthesis of ϵ -Mercapto- α - aminocaproic Acid and its S-Alkyl and N-Sulfanyl		
Derivatives. Yuan Chen-e and M.N. Shchukina	901	824

	Page	Russ. Page
Discussion		
A. K. Dmitriev's Paper on "Chemical Nonequivalence of Nascent Hydrogen." V. S. Kuzab	907	831
Letters to the Editors . B. M. Mikhailov, I. K. Platova, N. E. Podkletnov, G. I. Gorshtein and N. I. Silantyeva	911	833

April, 1957

	Page	Russ.
Complex Compounds of Tin, III. T. Sumarokova and I. Litvyak	913	837
The Reaction of Sodium Salts of Fatty Acids with Sodium Nitrite in Melts.	0.10	
N. M. Sokolov	917	840
Decomposition of Ethyl Nitrate Under the Action of Strong Acids. R. A.		
Slavinskaya,	921	844
Dielectric Properties of the Systems Acetic Acid - Pyridine (Aniline) in		
Benzene. 1. A. Sheka	925	848
The Surface Tension in the System Aniline-Acetic Acid. I. M. Bokhovkin	933	856
Investigation of Complex Formation in Solutions of Ternary Systems by the Methods of Physico-Chemical Analysis. VIII. Systems AlBr ₈ -(C ₂ H ₅) ₂ O-C ₆ H ₅ Cl, AlBr ₈ -(C ₂ H ₅) ₂ O-C ₆ H ₅ Br and AlBr ₃ -(C ₂ H ₅) ₂ O-C ₂ H ₅ Br. E. Ya.		
Gorenbein and V. N. Danilova,	935	858
Investigation of Binary Systems of Benzidine with Phenols and Naphthols by the Methods of Thermal Analysis. A. G. Bergman and A. P. Arestenko	944	867
The Temary System Benzidine-Phenol-Naphthalene. A. G. Bergman, A. P. Arestenko and A. I. Kislova	947	870
The V. V. Markovnikov Rule for the Addition of Hydrogen Halides to Unsymmetrically Substituted Ethylenes. M. I. Batuev	953	876
The Reaction of Cyclopropane Hydrocarbons with Mercuric Salts, VI. Organo- mercury Compounds From Phenylcyclopropane. R. Ya. Levina, V. N. Kostin,		
and V. A. Tartakovsky.	959	881
Radical and Ion Alkylation of the Aromatic Nucleus. IV. Benzylation of Guaiacol,		
Toluene, and Benzene. I. P. Tsukervanik and S. G. Melkanovitskaya	963	885
Condensations of 1,4-Bromochlorobutane with Benzene. I. P. Tsukervanik and		
L. V. Bugrova.	968	889
Determination of the Activity of Organic Compounds Containing Radioactive Carbon C ¹⁴ . I. A. Korshunov, R. V. Amenitskaya and N. V. Novtorov	972	893
Catalytic Reactions in the Presence of Metallic Aluminum. III. Alkylation of	0.0	•
Chlorobenzene by Ethyl Bromide, n-Propyl Bromide, and n-Butyl Bromide.		
M. B. Turova-Polyak and M. A. Maslova	976	897
Isomerization of Polymethylene Hydrocarbons by the Action of Aluminum Chloride, XXI. Isomerization of Cyclohexylcyclopentane. T. A. Slovokhotova, M. B.		
Turova-Polyak, I. I. Goron, and E. G. Treshcheva.	980	900
The Reaction of Silicon Tetrachloride with Acetic and Benzoic Anhydrides,		
V. V. Udovenko and Yu. Ya. Fialkov	985	905
Synthesis of Homologs of 1,11-Undecinoic Acid. M. Ya. Kraft and E. G. Popova.	987	906
Influence of the Nature of the Alcoholic Component on the Velocity of Alkaline Hydrolysis of Esters. II. Hydrolysis of Esters of Phenol and Benzyl Alcohol,		
S. N. Baranov and R. V. Vizgert	990	909 (continued

	Page	Page
The Alkylation of Chloroethers of Orthosilicic Acid and Methylethoxychlorosilanes. K. A. Andrianov, S. A. Golubtsov, T. S. Maklashina and N. P. Lobusevich	995	914
The Synthesis of Methylethylethoxychlorosilane and Determination of Its Thermal Stability, K. A. Andrianov, S. A. Golubtsov and N. P. Lobusevich.	999	918
Investigations in the field of Alkoxysilanes. VII. The Reaction of Tetraacetoxy-silane with Alcohols. The Synthesis of Tetraalkoxy- and Alkoxyacetoxysilanes. B. N. Dolgov, V. P. Davydova and M. G. Voronkov	1002	921
Direct Synthesis of Naphthyltrichlorosilane, P. S. Sanin and A. D. Petrov	1007	926
	1001	320
Investigations in the Field of Conjugated Systems. LXXIII. The Order of Addition of Bromine to Vinylacetylene. A. A. Petrov, G. I. Semenov and N. P. Sopov.	1009	928
Reaction of 3,3-Dimethylhexyne-1 with the Lower Saturated Monobasic Acids. A. I. Bolshukhin and A. G. Egorov.	1014	933
The Mechanism of Dehydration of γ-Glycols, III. Study of the Dehydration of 2-Cyclohexyl-2,5-Pentanediol and 1,4-Pentanediol. T. A. Favorskaya, O. V. Sergievskaya and N. P. Ryzhova.	1018	937
Condensation of Methylethylvinylcarbinol with Phenol in the Presence of Phosphoric Acid. A. I. Kakhniashvili and T. N. Kiparenko	1023	942
The Effect of Phosphorus Pentachloride on Octaacetylcellobiose and the Anomeric Sugar Acetates. S. N. Danilov, O. P. Kozmina and A. N. Shirshova	1026	945
The Effect of Anhydrides of Organic Acids on Trialkyl Phosphites and Sodium Dialkyl Phosphites. Gilm Kamai and V. A. Kukhtin	1030	949
The Effect of Carbon Tetrachloride on Mixed Alkyl Esters of Phosphorus Acids. Gilm Kamai and F. M. Kharrasova	1034	953
Preparation of Aromatic Principles of the Terpenocyclohexanol and Terpenocyclohexanone Series. V. N. Belov and L. A. Heifitz	1041	960
Phenylxanthones. A. T. Troshchenko	1047	967
Nitration of 2-Methyl-5- aminopyridino-(2,3-d)-Thiazole, S. G. Fridman,	1050	970
Derivatives of Pyridino-(2,3-d)-thiazole. S. G. Fridman	1054	9 7 3
Cyclization of Methylenedi(Indandione). L. S. Geita and G. Ya. Vanag	1058	977
Cyclohexanone Compounds of Monoses and Polyhydric Alcohols. III. Dicyclohexylidene-dulcitol. V. F. Kazimirova	1061	981
The Structure and Reactivity of Piaselenole, L. S. Efros and Z. V. Todres-Selektor,	1064	983
The Problem of Indicator Changes. O. F. Ginzburg and B. A. Porai-Koshits	1070	989
The Products of the Condensation of Arylcarbinols with 1-Phenyl-3- methyl-		
pyrazolone-5. III. O. F. Ginzburg, Ts. M. Goldberg and E. I. Kvyat	1074	993
The Synthesis of 2-Vinylthiophene and 2-Vinyldibenzothiophene, I. V. Andreeva and M. M. Koton	1079	997
Esters of Isocyanatophosphoric Acid and Their Derivatives. A. V. Kirsanov and I. N. Zhmurova:	1084	1002

(continued)

		Russ.
	Page	Page
Studies on Thiosulfonic Acids, II. Some Alkyl Esters of Propane-2-thiosulfonic Acid and 2-Methylpropane-1-sulfonic Acid. B. G. Boldyrev and T. A.		
Trofimova	1088	1006
Reaction of Dialkyl Esters of Phosphorous Acids with Aldehydes and Ketones, XIII. Esters of α-Hydroxy-β-chloroisopropylphosphonic and 1,2-Epoxy-2-propylphosphonic Acids. V. S. Abramov and A. S. Kapustina	1093	1012
Cyanine Dyes, VII. Cyclization of Secondary Aromatic Amines with-Vinyl Ethers into Arylquinaldinium Derivatives. G. T. Pilyugin and E. P. Opanasenko	1097	1015
Cyanine Dyes, VIII. Synthesis of Alkoxy Derivatives of Quaternary Benzo- quinaldinium Salts and Their Transformations. G. T. Pilyugin, E. P. Opanasenko and N. A. Tsvetkova	1100	1018
Derivatives of ω -(2,4-Diamino-1,3,5-triazyl-6)- alkylcarboxylic Acids. III. Reaction of N'-Phenylbiguanide with Malonic Ester. S. V. Sokolovskaya, V. N. Sokolova and O. Yu. Magidson	1103	1021
Polarographic Study of 2,3-Derivatives of 1,4-Naphthoquinone. I. F. Vladimirtsev and A. G. Stromberg	1110	1029
Butyrolactone and Its Derivatives, II, Some Reactions of the Acyl Derivatives of Butyrolactone, F. N. Stepanov and O. K. Smirnov	1124	1042
Derivatives of Bicyclo-1,2,3-heptane. II. Derivatives of 2-Acyl-3-amino-bicyclo-(1,2,2)-heptane. N. K. Kochetkov, A. Ya. Khorlin and O. S. Chizhov.	1127	1045
Indole Derivatives. IV. Formylation of Derivatives of 1,2,3,4-Tetrahydro-carbazole. N. F. Kucherova, V. P. Evdakov and N. K. Kochetkov	1131	1049
Interaction of Di-m-Nitrophenylmercury and Di-o-Nitrophenylmercury with Phenols. XII. F. F. Martynova	1138	1056
The Intramolecular Hydrogen Bond and Ultraviolet Absorption Spectra, III. Electronic Spectra of Aminoacetophenones and of Some of Their Derivatives, A. E. Lutsky and V. V. Dorofeev	1141	1059
The Intramolecular Hydrogen Bond and Ultraviolet Absorption Spectra, IV. The Effect of Solvents on Electronic Spectra of Amino-acetophenones and of Some	2272	1000
of Their Derivatives. A. E. Lutsky and V. V. Dorofeev	1147	1064
Reactions of Hydrazine Derivatives. XIII. Synthesis of Pyrazolines by the Mannich Reaction. A. N. Kost and V. V. Ershov	1155	1072
Investigation of Furan Compounds, VIII. Selective Hydrogenation of the Ethylenic Bond of α, β-Unsaturated Furan Aldehydes and Ketones in the Presence of Raney Nickel. A. A. Ponomarev and Z. V. Til	1159	1075
The Synthesis and Properties of Methylphenylcarbinol Derivatives. E. I. Nezhuta and A. V. Savitsky	1163	1079
Phosphate Esters of Trichloriminoacetic Acid and Esters of Trioxyphosphazo- trichloroacetyl. II. A. V. Kirsanov and G. I. Derkach	1165	1080
The Synthesis of Some Isothiourea and Cystineamine Derivatives. M. V. Kolesova and K. M. Kissel	1168	1084
	(6	continued)

14

		Russ,
	Page	Page
Investigation in the Field of Quinones. XVI. Synthesis of Substituted Benzofurans,		
A. N. Grinev, Pan Bon Khvar and A. P. Terentyev	1172	1087
Investigation in the Field of Quinones. XVII. The Reaction of 2,3-Dichloroquinone		
with Ethyl Benzoylacetate. A. N. Grinev, N. K. Venevtseva and A. P. Terentyev.	1174	1090
Stereochemical Investigations. II. Synthesis and Determination of the Configura-		
tions of Some Substituted α -Phenylethylamines. A. P. Terentyev and V. M.		
Potapov	1176	1092
Investigation of Pulegone Oxide, G. V. Pigulevsky and I. K. Mironova	1184	1101
Mercapto Analogs of Lysine and Some of Its Derivatives. II, Synthesis of α-		
Mercapto- ϵ - amino- and α, ϵ -Dimercaptocaproic Acids and Their S-Alkyl		
and N-Sulfanylyl Derivatives. Yuan Chen-e and M. N. Shchukina	1187	1103
A Discussion. The Problem of the General Definition of Chemistry. Ya. E. Eksmer.	1192	1109

May, 1957

	D	Russ.
	Page	Page
Investigation of Irrational Systems by the Method of Two Solvents. I.L. Krupatkin	1195	1113
Electron Diffraction Studies on Molybdic Heteropolyacids of Germanium. Z.F. Sha-khova, G.N. Tishchenko and R.K. Motorkina	1200	1118
Complex Compounds of Tin. IV. T. Sumarokova and I. Litvyak	1207	1125
Enthalpies of Formation of Binary Compounds of the Elements of the Main Subgroup of Group V. The Phenomenon of Secondary Periodicity. S.M. Ariya, M.P. Morozova and S.A. Shchukarev.	1213	1131
Polarographic Determination of 2,2'-Azobisisobutyronitrile, Aliphatic and Aromatic Nitriles. M.I. Bobrova and A.N. Matveeva	1219	1137
Radical and Ion Mechanism of the Alkylation of the Aromatic Nucleus, V. Benzylation of Naphthalene. I.P. Tsukervanik and G.S. Semeshko	1225	1143
Investigations in the Naphthalene Series. XV. The Rearrangement of Aromatic Sulfo Salts; Conversion of the Dry Salts of 2-Naphthylamine-1-Sulfonic Acid and 2-Naphthylsulfamic Acid. V.V. Kozlov.	1229	1146
Investigations in the Naphthalene Series. XVI. The Conversion of the Salt of 2-Naphthol-6-Sulfonic Acid into the Salt of 2-Naphthol-7-Sulfonic Acid. V.V. Kozlov and G.G. Yakobson	1238	1156
The Nitration of Easily-Nitrated Aromatic Compounds. R.A. Slavinskaya	1243	1160
Investigations in the Field of Conjugated Systems. LXXIV. The Infrared Spectra and Reactivity of Vinylacetylene Hydrocarbons. A.A. Petrov, Yu.I. Porfiryeva and		
G.I. Semenov	1250	1167
Investigations in the Field of Conjugated Systems. LXXV. The Interaction of Propargylbromide with Aliphatic Aldehydes Under the Conditions of the Reformatsky Reaction. A.A. Petrov, Yu.I. Porfiryeva and G.I. Semenov	1258	1175
The Mechanism of the Conversions of Tertiary Alcohols of the Cyclopropane Series Under the Influence of Mineral and Organic Acids, VI. The Reaction of Methylethynylcyclopropylcarbinol With Sulfuric Acid and With Phosphorus Trichioride in the Presence of Pyridine. The Synthesis of Methyltrichloromethylcyclopropylcarbinol and the Investigation of its Reactions With Sulfuric Acid. T.A. Favorskaya		
and L.S. Bresler.	1262	1179
Reaction of Cyclohexylacetylene With the Lower Saturated Monobasic Acids. A.I. Bolshukhin and A.G. Egorov	1268	1185
Investigation of Compounds Containing a Three-Membered Oxide Ring, XVII. Condensation of Chloroacetonitrile With Ketones. Synthesis of \$\beta,\$\beta'-Disubstituted Nitriles of Glycidic Acids. V.F. Martynov and A.V. Shchelkunov	1271	1188
Investigation of Compounds Containing a Three-Membered Oxide Ring, XVIII. Re- action of the Ethyl Ester of 8-Tetramethyleneglycidic Acid With Aromatic		
Amines. V.F. Martynov.	1274	1191
Oxidative Breakdown of the Ozonide of Butadiene Rubber. A.I. Yakubchik, N.G. Ka-satkina, G.I. Demidova and G.B. Federova	1278 (con	1195

		Russ.
	Page	Page
Alkylation in an Aqueous Medium in Presence of Quaternary Ammonium Salts. III. A.T. Babayan and M.G. Indzhikyan	1284	1201
Investigations of Glycol Ethers. XXX. Synthesis of Ethers of Dimethyleneglycol. Shamkhal Mamedov and M.R. Kulibekov.	1289	1206
Unsaturated Cyclic Hydrocarbons and Their Halogenated Derivatives. XXV. Interaction of Methylcyclohexadiene-1,3 With Hexabromoethane and Quinoline. N.A. Dominin and V.A. Cherkasova	1296	1214
The Problem of the Electronic Structure and Reactivity of Free Radicals. V.V. Razumovsky.	1298	1215
Heterocyclic Compounds. 56. The Action of Primary Amines Upon Propenylisopropenyl Ketone. I.N. Nazarev and N.I. Shvetsov.	1300	1218
Investigation on Oxido Compounds. VIII. Interaction of a-Oxides of Allyl Ethers of o-, m- and p-Nitrophenols With Diethylamine. I.I. Chizhevskaya and V.I. Pansevich-Kolyada.	1305	1223
Investigations of Unsymmetrical Organic a-Oxides, XIV. Transformations of Piperylene Monoxide, F.G. Ponomarev, O.G. Kharenko and M.F. Shavkova	1309	1226
Preparation of Phenols by Catalytic Condensation of Acetone With Acetylacetone. IV. B.N. Dolgov, L.V. Mozzhukhina and T.V. Nizovkina	1314	1231
Preparation of Phenols by Catalytic Condensation of Acetone With a B-Ketoalcohol (Cyclocondensation), V. B.N. Dolgov, L.V. Mozzhukhina and T.V. Nizovkina	1317	1233
Catalytic Transformations of Ethyl Acetate Under Pressure. B.A. Bolotov and S.N. Borisov	1321	1237
Synthesis of Polymethyldimethylsiloxanes. K.A. Andrianov and V.M. Mantrova	1326	1243
Synthesis of Thiosemicarbazones and m-Iodobenzhydrazones of Some Halogenated Benzophenones. E.S. Novikova and L.A. Egorshina	1332	1249
Dialkylamides of Trichlorophosphazosulfuric Acid and Chlorides of N,N-Dialkylsulfamido-N'-Phosphoric Acid. A.V. Kirsanov and Z.D. Nekrasova	1335	1253
The Mechanism of the Gas-Phase Catalytic Reaction of Acetylene and Acetic Acid. R.M. Flid and A.V. Chirikova	1338	1256
Catalytic Rearrangements of Some Acetylated Arylamines. B.I. Ardashev and V.I. Minkin	1343	1261
Reduction of Naphtholcarboxylic Acids. I. Preparation of 1-Hydroxy-2-Naphthalde-hyde. L.N. Lavrishcheva, N.M. Przhiyalgovskaya, S.A. Voitkevich and V.N. Belov	1346	1264
Reduction of Naphtholcarboxylic Acids. II. Synthesis of 2,3-Tetralonecarboxylic Acid and its Decomposition to 8-Tetralone. N.M. Przhiyalgovskaya, L.N. Lavrishcheva and V.N. Belov.	1349	1266
Synthesis of Mercaptoamino Compounds. I. Synthesis of 11-Amino-10-Hydroxyunde-canoic Acid and Related Compounds. Yu.V. Markova, K.K. Kuzmina and M.N. Shchukina	1353	1270
Synthesis of Mercaptoamino Compounds. II. Synthesis of 11-Amino-10-Mercapto-undecanoic Acid and Related Compounds. Yu.V. Markova, K.K. Kuzmina and M.N. Shchukina	1357 (con	1274

		Russ.
	Page	Page
Synthesis With 1,1,3,3-Tetraalkoxypropanes, Preparation of the Simpler Heterocyclic Compounds. T.V. Protopopova and A.P. Skoldinov	1360	1276
Preparation of 2,3-Dimercaptopropanol, Containing Radioactive Sulfur. An.N. Nesmeyanov, A.B. Silaev and V.M. Fedoseev	1364	1280
Study of the Conditions and Mechanism for the Synthesis of Phosphorylcholine, Containing P ³² . A.B. Silaev, An.N. Nesmeyanov and V.M. Kutyurin	1367	1283
Synthesis and Properties of Trisubstituted a-Naphthylsilane Derivatives. P.S. Sanin.	1371	1286
Synthesis of Some Fluorine-Containing 8-Aryl-8-Alanines. V.P. Mamaev	1376	1290
Models of the Protein Microstructure, I. Synthesis of N-Aminoacyl Derivatives of Phenylalanine Anhydride, L.N. Akimova	1380	1294
Some of the Properties of N-Benzylated Peptides. I. L.N. Akimova and N.I. Gavrilov.	1385	1299
Intramolecular Hydrogen Bonding and Ultraviolet Absorption Spectra. V. The Influence of Acids on the Electronic Spectra of Aminoacetophenones. A.E. Lutsky and V.V. Dorofeev	1389	1303
Dihydrosarcomycin and Related Compounds. I. A.B. Arendaruk, E.I. Budovsky, B.P. Gommikh, M.Ya. Karpeisky, L.I. Kudryashov, A.P. Skoldinov, N.V. Smirnova, A.Ya. Khorlin and N.K. Kochetkov	1398	1312
Halogenation of Aromatic Silanes, IV. Preparation and Properties of Chloro and Bromo Derivatives of p-Tolyltrichlorosilane. G.V. Motsarev and A.Ya. Yakubovich.	1404	1318
The Reaction of Diazo Compounds With Sulfamic Acid and its Derivatives, V. Reactions of Diazo Compounds With N-Phenylsulfamic Acid. D.Z. Zavelsky and L.A. Lishnevskaya	1414	1330
The Reaction of Diazo Compounds With Sulfamic Acid and its Derivatives, VI. The Indicator Properties of 4-Aminoazobenzene-N-Sulfonates, D.Z. Zavelsky and L.A. Lishnevskaya	1422	1339
Synthesis of Thiazolidone Derivatives of Biological Interest III. Condensation of Monochloroacetic Acid With Thiosemicarbazones in the Presence of Aldehydes. E.V. Vladzimirskaya	1427	1345
Synthesis of Thiazolidone Derivatives of Biological Interest. IV. Ultraviolet Absorption Spectra of p-Acetaminobenzylidene Derivatives. M.M. Turkevich and E.V. Vladzimirskaya	1430	1348
Reaction of 1-Chloro-3-Nitro-4-Hydroxyisoquinoline With Ammonia. V.N. Zel-man and G.Ya, Vanag	1435	1353
Reaction of 2-Bromo-2-Phenylindanedione-1,3 With Amines. G.Ya. Vanag and A.K.Aren.	1440	1358
Complex Compounds of Monovalent Copper Salts With Various Addenda. M.M. Azanovskaya	1445	1363
Mixed Esters of Tert-(1,1,1-Trichloro)-Butyl-1-Trichloromethylcyclohexyl-1-Phos- phorus Acid. II. V.S. Abramov and V.K. Khairullin	1447	1365
Investigation of Furan Compounds, IX. Synthesis and Hydrogenation of Tertiary y-Furylalkanols. A.A. Ponomarev, Z.V. Til, A.D. Peshekhonova and V.P. Reshetov.	1451 (con	1369

		Russ.
	Page	Page
The Synthesis of 1-(4'-Sulfophenyl)-3-Methyl-5-Pyrazolone From the Sodium Salt		
of Acetoacetic Acid. P.A. Levin	1456	1374
Conversion of Terpenocyclohexanones into Formylterpenocyclohexanes, Terpeno-ε-		
caprolactones and Terpeno-ε-caprolactams. V.N. Belov and L.A. Kheifits	1459	1377
A New Synthesis of Irone. V.N. Belov, N.A. Daev, S.D. Kustova, K.V. Leets, S.S.		
Poddubnaya, N.I. Skvortsova, E.I. Shepelenkova and A.K. Shumeiko	1465	1384
Esters of 4(5)-Nitroimidazole-5(4)-Carboxylic Acid. L.P. Kulev and A.M. Rozhkov.	1470	1389
Some Ethers of 4(5)-Hydroxymethylimidazole. L.P. Kulev and L.L. Skripova	1473	1392
Fluorine-Containing Derivatives of Dimethylaminoazobenzene. L.M. Yagupolsky		
and M.S. Marenets	1477	1395
Some N-Substituted B-Chloropropionamides. N.K. Kochetkov and N.V. Dudykina	1481	1399

June, 1957

	Page	Russ.
Some Problems of Contemporary Inorganic Chemistry in the Light of The Ideas of D. I.		
Mendeleev. S. M. Ariya	1483	1405
Problems of Chemical Structure in the Works of D. I. Mendeleev. V. V. Razumovsky	1490	1414
Investigation of the Co(ClO ₄) ₂ -Li ₂ -(H ₂ O)-Acetone System by Physicochemical Analysis Methods, M. S. Barbinok	1497	1423
Dipole Moments of Complex Compounds of Stannic Chloride with Some Organic Acids. XI. O. A. Osipov, G. S. Samofalova and E. I. Glushko	1502	1428
The Problem of Detecting Cadmium With p-Nitrophenyldiazoaminoazobenzene (Cadion). V. P. Razumova	1507	1433
The Polarographic Behavior of Geometrically Isomeric Acids. A. L. Markman and E. V.		
Zinkova	1512	1438
Catalytic Conversions of Pentene-1. N. I. Shuikin and V. A. Tulupov	1522	1448
Esters of Boric Acid in the Friedel-Crafts Reaction. V. K. Kuskov, B. M. Sheiman and Z. I. Maksimova	1528	1454
Catalytic Reaction of Ethers with Carboxylic Acids. R. M. Flid, A. N. Protasova and E. A.		
Trakhtenberg	1533	1460
Study of the Radical Reactions of Phosphorus Pentaphenyl. IV. Reactions of Phosphorus Pentaphenyl with Methyl Iodide. Study of the Mechanism of the Radical Reactions of Phosphorus Pentaphenyl with the Aid of Diphenylpicrylhydrazine and Diphenylpicrylhydrazyl. G. A. Razuvaev, N. A. Osanova and I. A. Shlyapnikova	1539	1466
Cycloalkylation of Aromatic Compounds. XI. On the Product of Condensation of Cycloheptanol With Benzene. N. G. Sidorova and I. P. Tsukervanik	1543	1469
Cycloalkylation of Aromatic Compounds, XII. Synthesis and Some Conversions of		
1-Methyl-2-phenyl- and 1-Methyl-3-phenylcyclohexanes. N. G. Sidorova	1546	1472
Silico-Organic Derivatives of Boric Acid - Tris(Trialkylsilyl) Borates and Polyboraorgano- siloxanes, M. G. Voronkov and V. N. Zgonnik	1550	1476
New Synthesis Methods for Tris(Trialkylsilyl) Phosphates. M. G. Voronkov and V. N. Zgonnik	1557	1483
The Ozonization of Unsaturated Compounds. III. The Addition of Ozone to Internal and External Double Bonds in Divinyl Rubber. A. I. Yakubchik, N. G. Kasatkina and T. E. Pavlovskaya	1561	1487
Homologs of Monovinylacetylene. V. Dimerization of Vinylacetylene Hydrocarbons Under Conditions of the Dehydration of Acetylene Alcohols. I. A. Favorskaya, Yu. P.	1504	1 400
Artsybasheva and L. V. Fedorova	1564	1490
Investigations in the Field of Oxide Additions. IX. The Interaction of α -Oxides of Allyl Esters of Nitrophenols with Benzimidazole. I. I. Chizhevskaya and V. I. Pansevich-		
Kolyada	1570	1495
Investigation in the Field of Glycol Ethers. XXXI. Synthesis of γ -Halo Ethers of the		4
Aliphatic Series. Shamkhal Mamedov	1574	1499

	Dago	Russ.
On The Market Co. Cl. 171 1 1 1	Page	Page
On The Mechanism of γ-Glycol Dehydration. IV. Synthesis of 2-Trichloromethyl-2,5-pentanediol and Investigation of its Reaction With Sulfuric Acid. T. A. Favorskaya		
and L. S. Bresler	1582	1507
A New Synthesis of Citral From Isoprene. K. V. Leets, A. K. Shumeiko, A. A. Rozenoer,	2002	2001
N. V. Kudryasheva and A. I. Pilyavskaya	1584	1510
	1004	1010
Investigations in the Field of Polymethylene Rings. XXVI. Reactions and Reaction Products of 1,3-Cyclohexanedione, Dimedone, and Acetylacetone with Hydrazine and		
Dimethylhydrazine. N. A. Domnin, Van Syui-kun and N. S. Glebovskaya	1587	1512
Investigations in the Field of Polymethylene Rings. XXVII. Reactions and Reaction		
Products of 1,4-Cyclohexanedione and Acetonylacetone With Hydrazine and Dimethyl-		
hydrazine. N. A. Domnin, M. N. Zelenina and N. S. Glebovskaya	1591	1516
Synthesis of Diethylaminomethyl Ethers of Dimethylethynylcarbinol, Dimethylvinylethynyl-		
carbinol and Tetramethylbutynediol. E. S. Lagucheva	1594	1518
Synthesis of Esters of 8-Methylcaffeinephosphonic Acid. B. P. Lugovkin	1599	1524
	1000	1041
The Reaction of Acetylenic and Vinylacetylenic Epoxides With Ammonia and Amines. The Synthesis of Alkyl-, Vinyl-, and Phenylpyrroles and Pyrrylcarbinols. F. Ya. Perveev,		
E. M. Vekshina and L. N. Surenkova	1602	1526
Synthesis of α -(Trimethylsilyl)Styrene, 1-(Trimethylsilyl) Cyclohexene, and Other Unsaturated Organosilicon Compounds. A. D. Petrov, V. F. Mironov and V. G.		
Glukhovtsev	1609	1535
Derivatives of Acetylene 179-Stereochemistry of the Bromination of Acetylenic Alcohols.		
I. N. Nazarov and L. D. Bergelson	1614	1540
2,2'-Biphenylenehalonium Salts. A. N. Nesmeyanov, T. P. Tolstaya and L. S. Isaeva	1621	1547
	1021	2021
The Acetonate of 9,10-Dihydroxystearic Acid From Elaidic Acid. III. V. I. Esafov and M. A. Panyukova	1625	1552
	1020	2002
Chemistry of Heterocycles, XXIX. N-Alkyl Derivatives of 3,3-Diaryloxindoles. P. A.	1628	1554
Petyunin, V. S. Shklyaev and A. S. Pesis	1020	1004
Chemistry of Heterocycles. XXX. 2,4-Dihalo Derivatives of 9-Phenylacridine. P. A.	1631	1558
Petyunin and M. E. Konshin	1001	1000
The Microstructure of Protein. XIV. The Piperazides of Amino Acids. L. N. Akimova	1695	1562
and N. I. Gavrilov	1635	1002
Catalytic Hydrogenation of N-Aryl Substituted Pyridine Salts. N. E. Grigoryeva, A. B.	1.000	1 5 0 5
Oganesyan and I. A. Mysh	1638	1565
Chemistry of 2,1,3-Thiadiazole. III. Reaction of Aromatic o-Diamines with Thionyl	1040	2550
Chloride and Thionylaniline. V. G. Pesin, A. M. Khaletsky and Chzhao Chzhi-chzhun	1643	1570
Chemistry of 2,1,3-Thiadiazole. IV. Chlorination and Bromination of Benzo-2,1,3-		4 2 2 2
thiadiazole. V. G. Pesin, A. M. Khaletsky and Chzhao Chzhi-chzhun	1648	1575
Properties of Furanidino-(3,4)-imidazoles. I. K. Korobitsyna, Yu. K. Yuryev and I. G.		
Zhukova	1654	1582
Chemistry of Selenophene. VI. Aminomethylation of Ketones of the Selenophene Series.	10-0	4 5 0 5
Yu. K. Yuryev and N. K. Sadovaya	1659	1587
Condensation of Glycidol With Aromatic Amines. M. S. Malinovsky and V. N. Perchik	1663 (con	1591 tinued)

		Russ.
	Page	Page
Investigations in the Field of Alkoxysilanes. VIII. (Alkyl(aryl)acetoxysilanes and Their Reactions with Aliphatic Alcohols. B. N. Dolgov, V. P. Davydova and M. G. Voronkov	1666	1593
High Molecular Weight Compounds. C. The Relation of the Softening Point of Polyamides and Polyesters to the Structure of the Units. V. V. Korshak, S. V. Vinogradova and T. M. Frunze	1673	1600
A New Method for Synthesizing the Esters of Phosphinic and Thiophosphinic Acids. XXVII. Addition of Dialkylphosphorous and Dialkylthiophosphorous Acids to Idene Derivatives of Malonic Ester and Acetylacetone. Phosphonbarbituric Acids. A. N. Pudovik and T. M. Moshkina	1683	1611
A New Method for Synthesizing the Esters of Phosphinic and Thiophosphinic Acids. XXVIII. The Reactions of Partial Esters of Phosphorus Acids with α,β -Unsaturated Cyclic Ketones and Cyclohexenyl Acetate. A. N. Pudovik and I. V. Konovalova	1689	1617
Reactions of Ketones With Ammonia Solutions of Silver Oxide. II. V. I. Veksler	1694	1622
β-Aminovinyl Ketones. VIII. The Synthesis of Alkyl β-Alkylaminovinyl Ketones. N. K. Kochetkov, Yanush Dombrovsky, Renata Trau and A. V. Shageeva	1698	1626
Catalytic Condensation of Acetylene With Aromatic Amines. XXVII. Catalytic Synthesis of 3-Phenyl-benzo[F]quinoline Derivatives. N. S. Kozlov and O. K. Kozminykh	1700	1628
Spectrophotometric Investigation of Diphenylamine and Its Derivatives in Concentrated Sulfuric Acid. I. P. M. Bugai	1703	1632
The Reaction of the Properties of Lignin Chloro Derivatives to the Chlorination Conditions. N. N. Shorygina and L. I. Kolotova	1712	1641
The Chloromethylation of 1-Alkylnaphthalenes and Some Transformations of 4-Chloromethyl-1-alkylnaphthalenes. S. I. Sergievskaya and T. S. Safonova.	1715	1645
Investigations in the Field of Dyes for Acetate Silk and Synthetic Fibers. I. 1,5- and 1,8-Acylamino-hydroxyanthraquinones. L. M. Egorova, V. N. Ufimtsev and E. S. Yampolskaya	1720	1650
The Reaction of Amines With Pentaborane. A. F. Zhigach, E. B. Kazakova and I. S. Antonov	1725	1655
Spatial Configuration and Reactivity. VIII. On the Interaction of Substituent Groups Across Two Benzene Rings Bridged by a Sulfur Atom, From Investigations of the Kinetics of Acylation of 4-Amino- and 4-Amino-4-'-Nitrodiphenyl Sulfide. L. M. Litvinenko, S. B. Tsukerman, R. S. Cheskho and B. M. Kolesnikova	1733	1663
Synthesis in the Phenothiazine Series. II. Synthesis of 10-(N-methylpiperdyl-3-methyl) phenothiazines. S. V. Zhuravlev, A. N. Gritsenko and M. I. Dorokhova	1737	1668
Interaction of 2,4-Dinitrochlorobenzene and 2,4-Dinitrobromobenzene with Fluorides. N. N. Vorozhtsov, Jr. and G. G. Yakobson	1741	1672
On the Interaction of Ketene With Nitrogenous Bases, III. Acetylation of Primary Aromatic Amines With Ketene. Yu. V. Svetkin	1745	1676
On the Interaction of Epichlorohydrin and the Methyl Ether of Glycidol with Organo- chlorosilanes. M. S. Malinovsky and M. K. Romantsevich	1749	1680
The Use of a Heavy Isotope of Oxygen to Study the Mechanism of Alkali Transesterification of Esters. R. V. Kudryavtsev and D. N. Kursanov	1755 (cont	1686 inued)

		Russ.
	Page	Page
Investigations in the Field of Quinones. XVIII. Synthesis of Substituted Naphthofurans. A. N. Grinev, G. K. Prokofyeva and A. P. Terentyev	1757	1688
Investigations in the Field of Quinones. XIX. Synthesis of Some N-Alkylsubstituted Indoles. A. N. Grinev, N. E. Rodzevich and A. P. Terentyev	1759	1690
Heterocyclic Compounds. 54. Synthesis of 1-Alkenyl-2,5-dimethyl-4-piperidones. I. N. Nazarov, A. Sh. Sharifkanov and K. F. Danilova	1763	1693
Alkylacridones and Their Transformations. II. Preparation of 3-Chloro-7-methoxy-10-vinylacridone. B. I. Mikhantyev and V. A.Sklyarov	1767	1697
A Hydrocarbon C ₁₂ H ₁₀ From the Essential Oil of Artemisia Scoparia W. K. V. P. Golmov and N. M. Afanasyev	1769	1698
Synthesis of Pteridines from 4,5-Diaminopyrimidines and Aromatic α-Ketoacids. 1. Synthesis of Pteridines from 4,5-Diaminopyrimidines and Phenylpyruvic Acid. S. N. Baranov and T. E. Gorizdra	1774	1703
The Anomalous Reaction of α -Haloketones with Esters of Phosphorous Acid. V. Reaction of Halo Derivatives of Methyl Ethyl Ketone and Acetophenone with Triethyl Phosphite. A. N. Pudovik and L. G. Biktimirova	1778	1708
Synthesis of Certain Mercapto Derivatives of Purine. G. A. Garkusha	1783	1712
Synthesis of Pteroyl-L(+)-glutamic Acid. V. M. Berezovsky, L. I. Strelchunas and M. Ya. Kagan	1788	1717
Reactions of Hydrazine Derivatives. XIV. A New Method of Synthesis of 3-Alkyl-pyrazolines. A. N. Kost and V. V. Ershov	1793	1722
Investigation of the Volatile Substances of Garlic. A. M. Khaletsky and M. B. Reznik	1798	1727
For Discussion. In Connection with A. Bundel's Observations on the Articles "The Paeticipation of Oxygen in the Formation of Zinc Sulfide Phosphors" and "The Chemistry of Formation of Luminescent Centers in Zinc Sulfide Phosphors". N. Ril	1801	1730
and G. Ortman	TOOT	7 100

July, 1957

	_	Russ.
	Page	Page
The Strontium—Antimony System and the Heats of Formation of Compounds of Strontium and Antimony. S. A. Shchukarev, M. P. Morozova and Kan Kho-in	1803	1737
The Magnetic Susceptibility of Strontium Subnitride. S. M. Ariya, M. S. Erofeeva and G. P. Mochalov.	1806	1740
The Enthalpy of Formation of Strontium Arsenide Sr ₃ As ₂ . S. M. Ariya, Kan Kho-in, Yu. Barbanel and G. M. Loginov.	1809	1743
The Enthalpies of Formation of Potassium Antimonide and Potassium Bismuthide. M. P. Morozova, L. Getskina and M. Golomolzina	1812	1746
The Mechanism of Metal Electrodeposition from Solutions of Simple and Complex Salts. A. I. Levin.	1815	1748
Alkylcarbonates III. Use of Tagged Atoms (Oxygen Isotope C ¹⁴) in the Investigation of the Mechanism of Thermal Decomposition of Alkylcarbonates. V. I. Kurov.	1821	1754
Electrolytic Dissociation in Nonaqueous Systems, V. The System Pyridine-Allyl Mustard Oil, S. P. Miskidzhyan,	1823	1755
Transformations of Hydrocarbons in the Presence of Oxide Catalysts. VIII. Transformation of n-Hexadecane over a Molybdic Catalyst. Yu. N. Usov and N. G. Mettsel.	1826	. 1759
Cycloalkylation of Aromatic Compounds, XIII, Reaction of 1-Phenyl-4-Methylcyclohexano Hexanol with Benzene in the Presence of Aluminum Chloride, N. G. Sidorova and I. A. Tushinskaya	1830	176 3
Condensations of Trichloroethylene with Benzene, N. V.Vasilyeva and I. P. Tsukervanik	1834	1767
The Gonversion of Xylenols by Aluminosilicate Catalyst, 1. The Conversion of 1,3,5-Xylenol, N. N. Vorozhtsov, Jr. and V. N. Lisitsyn	1837	1770
The Initiatory Activity of 1,1-Diphenylethane Hydroperoxide in the Emulsion Autoxidation of a Hydrocarbon. R. V. Kucher, V. D. Enalyev and A. I. Yurzhenko.	1841	1774
The Synthesis of Hydrocarbons, 59. (0,1,3)-Bicyclohexanes with Two Quaternary Carbon Atoms, R. Ya. Levina, Kim Diai Gir, E. N. Smirnova, N. D. Orlova and E. G. Treshchova	1846	1779
Synthesis of Hydrocarbons, 60. Ethylbenzene Homologs from Adducts of Alkadienes with Methylethylmaleic Anhydride. V. R. Skvarchenko, R. Ya. Levina and M. G. Kuzmin.	1851	1784
Ethylene Sulfide in the Synthesis of Heterocyclic Compounds with Two Heterocyclic Atoms, II. Synthesis of 2-Alkyl-3-(Carbethoxyphenyl- and 2-Phenyl-3-(Carbalkoxyphenyl)-Thiazolidines. Yu. K. Yuryev and S. V. Dyatlovitskaya.	1855	1787
ender our a commission	(continu	· od\

		Russ.
	Page	Page
Synthesis of Some 3,4-Diketones of the Furanidine Series, 1. K. Korobitsyna, Yu. K. Yuryev and K. V. Kuznetsova,	1859	1792
Preparation of Hydroaromatic Hydrocarbons by Pyrolyzing Acetates of Secondary Alcohols Prepared from Products of Diene Synthesis. A. A. Petrov and N. P.		
Sopov.	1862	1795
Investigations in the Field of Conjugated Systems, LXXVI. The Order of Bromine Addition to Alkenyl- and Isoalkenylacetylenes. A. A. Petrov and Yu. I. Porfireva.	1872	1805
Tertiary Triatomic Alcohols of the Acetylene Series and Their Reactions, XI. Hydrogenation of 2,3,6-Trimethyloctine-4-Triol-2,3,6; 3,4,7-Trimethylononine-5-Triol-3,4,7 and 2,4-Di-(1-Hydroxycyclopentylbutin-3-ol-2.		
V. I. Nikitin and I. M. Timofeeva,	1880	1814
Acetylene Derivatives, 184. Synthesis and Conversions of B-Acetoxyketones, I. N. Nazarov, S. G. Matsoyan and S. A. Vartanyan.	1884	1818
Investigations of Amines and Quaternary Ammonium Compounds. VII. Reactions of Haloalkyl-Containing Tertiary Amines and Their Methiodides	1900	1007
with Alkali, A. T. Babayan, A. A. Grigoryan and A. N. Grigoryan,	1892	1827
Alkylation of Naphthalene with Normal Alcohols in the Presence of BF ₃ . I. A. Romadan.	1898	1833
Structural Problems of Cotarnine Derivatives, I. Reactions of Cotarnine with Sodium Bisulfite and Sulfurous Acid. Denesh Beke and Marietta Martosh-Bartsai.	1901	1836
Investigations in the Sphere of Compounds Labeled with C ^M and N ¹⁵ . Communication IV. A New Method of Investigating Dual Reactivity and Tautomerism. I. Investigation of Triazine (Diazoamine) Systems. M. M. Shemyakin, V. I. Maitind and E. Gomes.	1906	1842
Research in the Field of Substituted 1,5-Diphenylthiocarbazones. V. Synthesis of Alkyl- and Aryl-Substituted 1,5-Diphenylthiocarbazones. P. S. Pelkis, L. S. Pupko and R. G. Dubenko.	1913	1849
Investigations in the Field of Substituted 1,5-Diphenylthiocarbazones, V. The Synthesis of Alkoxy- and Aryloxy-Substituted 1,5-Diphenylthiocarbazones,		
P. S. Pelkis, R. G. Dubenko and L. S. Pupko	1917	1854
The Synthesis of 2,5 and 2,5'-Diphenyl-Hexahydro-(3,4:3',4')-Furofuranes. N. B. Galstukhova and M. N. Shchukina.	1921	1857
The Influence of Low-Molecular Compounds on the Photochemical Destruction of Polystyrene. V. V. Korshak, K. K. Mozgova and A. P. Zasechkina.	1928	1866
The Reaction of Ethylene Oxide and Cyclohexene Oxide with Organochlorosilanes, M. S. Malinovsky and M. K. Romantsevich	1935	1873
The Influence of the Nature of the Metal on the Yields of Alkanes Synthe-		
sized by the Wurtz Reaction, A. D. Petrov, O. M. Nefedov and F. I. Grigoryev.	1939	1876
	(co	ntinued)

	Page	Russ, Page
Investigation in the Field of Compounds Containing a Three-Membered Oxide Ring, XIX. Investigation of the Reaction Between \$\theta\$-Arylglycidic Acids and	a ago	rage
Ammonia and Aromatic Amines. V. F. Martynov and G. Olman.	1944	1881
The Thermal Decomposition of 2,3-Bis-(Trimethylammonium)-Butane Hydroxide. Ya. M. Slobodin and O. Sergeev	1954	1892
The Reactions of Aromatic Nitro Compounds, 1, The Investigation of the Janowsky Reaction, S. S. Gitis	1956	1894
The Reactions of Aromatic Nitro Compounds, II. The Reaction of Trinitro-	1800	1034
anisole and Trinitrophenetole with Alcoholates. S. S. Gitis and A. I. Glaz.	1960	1897
Studies in the Field of Heterocyclic Chemistry, XXXI, Synthesis of 3,3-Diaryloxindols and 1-Methyl-3-Oxo-4,4-Diphenyltetrahydroisoquinoline Based on Arylamides of Diphenylchloracetic and Diphenylalkoxyacetic Acids,		
P. A. Petyunin, I. S. Berdinsky and N. G. Panferova.	1963	1901
Studies in Organic Insectofungicides, XXVI, New Method of Synthesizing Mixed Esters of Dithiophosphoric Acids, N. N. Melnikov, A. F. Grapov and K. D. Shvetsova-Shilovskaya,	1967	1905
Studies in Organic Insectofungicides, XXVII, New Method of Obtaining	2001	2000
Chlorothiophosphoric Acid Esters, N. N. Melnikov, Ya. A. Mandelbaum, E. Sventsitsky and Z. M. Bakanova	1970	1908
Study of the Properties of O-Peptides of B-Hydroxyamino Acids, Ammonolysis and Aminolysis Reactions, M. M. Botvinik, S. M. Avaeva, M. I. Konovalova and V. I. Ostoslavskaya	1973	1910
On Models of Albumin Microstructure, II. Production of N-Amino acyldiketo-	1010	2020
piperazines from the Iminoester (O,O-Dibenzyl-2,5-Dihydropyrazine), L. N. Akimova and Z. V. Kiryukhina,	1979	1917
On Color Phenomena with the Arylamides of O.O-Dibenzyl-2,4-Dinitrobenzoic Acid. Reflection and Absorption Spectra. E. A. Smirnov	1984	1922
Chemistry of the Nitro-olefins. II, Reaction of Nitro-olefins with Substances Having Active Methyl Groups. V. V. Perekalin and A. S. Polyanskaya	1994	1933
The Alkylation of Naphthalene with Isoalcohols in the Presence of BF3. 1. A.		
Romadan.	2000	1939
Dipolar Ions Formed by Removal of a Proton from the NH-Group. XI. The Rearrangement of Dipolar Ions of the Ammonium Series. A. M. Simonov and M. N. Okorokova.	2003	1941
The Synthesis and Fungistatic Activity of Certain Pentachlorophenol Derivatives,		
N. N. Suvorov, G. N. Pershin, Zh. D. Ovchinnikova, S. N. Milovanova and A. L. Mikerina.	2007	1945
Orientation in Aromatic Substitution, II. Electronic Shifts in the Benzene	20*1	1949
Nucleus, A. A. Spryskov	2011	1949
Kochetkov and B. P. Gottikh,	2018	1957
	(continu	ued)

		Russ.
	Page	Page
Some Derivatives of 4,4'-Dihydrazinodiphenyl Sulfone and 4-Hydrazinophenyl 2-Acetamido-5-Thiazolyl Sulfone, T. V. Gortinskaya, V. G. Samolovova and		
M, N, Shchukina	2022	1960
Catalytic Condensation of Acetylene with Aromatic Amines. XXVIII. Synthesis of Hydroxy and Dimethylamino Derivatives of 2-Phenylquinoline. N. S. Kozlov and L. Yu. Pinegina.	2026	1965
Derivatives of ω -(2,4-Diamino-1,3,5-Triazin-6-yl)-Alkylcarboxylic Acids, IV. Derivatives of Propionic, Butyric, Valeric and Caproic Acids, S. V. Sokolovskaya, V. N. Sokolova and O. Yu. Magidson	2030	1968
Some Properties of Enol Acetate. II. Preparation of 2-Methyl-3-Carbethoxy-4,5, 6,7-Tetrahydrocoumarone by the Reaction of 3-Bromo-2-Acetoxy-1-Cyclohexene with Sodioacetoacetic Ester. I. V. Machinskaya and V. A. Barkhash	2038	1978
Synthesis of 2-Methylmercapto-6-Phenyl- and 2-Ethyl-6-Phenyl-Benzothiazoles Through Diazo Compounds. I. K. Ushenko	2040	1980
Synthesis of Arylbenzothiazoles Through Triazenes of the Benzothiazole Series. M. A. Alperovich and I. K. Ushenko	2045	1986
Preparation of Azomethine Derivatives of Arylsulfonamides. A. E. Kretov and E. A. Abrazhanova.	2051	1993
The Mobility of the Fluorine Ions of Fluosilicates as a Function of the Radii of the Cations. G. V. Medoks and E. M. Soshestvenskaya	2055	1997
Haloarylation of Unsaturated Compounds with Aromatic Diazo Compounds, V. Chloroarylation of Divinyl, Synthesis of α-Arylbutadienes, A. V. Dombrovsky and A. P. Terentyev.	2058	2000
Heterocyclic Compounds, 55, Synthetic Analgesic Substances, XVI. Synthesis of 1-Alkenyl-2,5-Dimethyl-4-Phenyl-4-Piperidols and Their Propionic Esters, Analogs of Promedol and Isopromedol, III. I. N. Nazarov and A. Sh. Sharifkanov.	2063	2005
Some Properties of 5-Halofurfurals, Z. N. Nazarova,	2070	2012
Study of Alkaloids of Vinca Erecta RGL, and Schmalh, S, Yu, Yunusov and P, Kh,		
Yuldashev	2072	2015
Open to Discussion. In Connection with the Article by V. F. Boiko "A Study in the Field of Basic Chlorides of Iron". G. B. Fridman	2076	2019
Letters to the Editor	2078	2020

August, 1957

	Page	Russ.
Some Ternary Systems of Water - Dioxan - Electrolyte. Yu. B. Klemenik	2079	2025
Investigation of the Interaction of Phenyl- and Diphenylureas with Organic Acids by the Method of Physicochemical Analysis. N. Z. Rudenko	2084	2030
Catalysis of the Vapor Phase Hydrolysis of Halogen Derivatives of Organic Compounds. II. Reversability of the Vapor Phase Hydrolysis of Chlorobenzene Reaction. A. I. Naumov and E. I. Geidelberg	2090	2036
X-Ray Structural Investigation of Organometallic Compounds. Stereochemistry of Ferrocene and Its Derivatives. Yu. T. Struchkov	2093	2039
Reaction of Cyclopropane Hydrocarbons with Mercuric Salts. VII. Thermal Decomposition of Symmetrization Products of γ-Mercurated Alcohols. R. Ya. Levina, V. N. Kostin, and V. A. Tartakovsky	2102	2049
Equilibria of Reactions Between Hydrocarbons. X. Heat Capacities of Naphthalene, Tetralin, and Decalin. A. A. Vvedensky and D. M. Maiorov	2106	2052
Preparation of Carboxylic Acids from Primary Alcohols at Reduced Temperatures. V. I. Lyubomilov, A. I. Kutsenko, and R. A. Abramova	2108	2054
Chlorination and Bromination of Phenyltrichlorosilane and the Raman Spectra of Halogen-Substituted Phenyltrichlorosilanes. A. D. Petrov, M. I. Batuev, V. A. Ponomarenko, A. D. Snegova, A. D. Matveeva, and B. A. Sokolov	2112	2057
Reaction of Dialkylchlorosilanes with Aluminum Chloride. B. N. Dolgov, S. N. Borisov, and M. G. Voronkov	2117	2062
Photochemical Chlorination of Ethylfluorosilanes. The Orienting Effect of Fluorosilyl Groups. V. A. Ponomarenko and A. D. Snegova	2122	2067
Synthesis of Alkylalkoxyacetoxysilanes. K. A. Andrianov, A. A. Zhdanov, and A. A. Bogdanova	2128	2073
Investigations in the Field of Conjugated Systems. LXXVII. The Order of Addition of Hydrogen Halides to Propenylacetylene. A. A. Petrov and Yu. I. Porfiryeva	2132	2076
Investigation of Conjugated Systems. LXXVII. Combination Scattering Spectra and Reactivity of Vinylacetylene Hydrocarbons. A. A. Petrov, V. A. Kolesova and Yu. I. Porfiryeva	2138	2081
Investigations in the Field of Polymethylene Rings. XXVIII. Investigation of the Reaction Products of Acetonylacetone with Hydrazine. N. A. Domnin, M. N. Zelenina and N. S. Glebovskaya	2144	2088
Isomerization of α-Hydroxyaldehydes. XIV. Synthesis of Glyceraldehyde Derivatives. S. N. Danilov and V. I. Ivashchenko	2149	2093
Study of the Process of Deacetylation of Acetylcellulose. O. M. Klimova and L. F. Petushkova	2153	2096
The Reaction of Trithianes with Sulfenyl Chlorides. K. A. Petrov and G. A. Sokolsky	2156	2099

	Page	page
Synthesis of Arylidene Derivatives of Pseudothiohydantoin and Thiazolidinedione. E. V. Vladzimirskaya	2158	2101
Anomalous Reaction of α-Haloketones with Esters of Phosphorous Acid. VI. Reactions of Esters of Phosphorous Acid with Halides of Halo-Substituted Carboxylic Acids.		
A. N. Pudovik and L. G. Biktimirova	2161	2104
Some Questions on the Structure of Cotarnine Derivatives, II. Structure of Condensation Products of Gotarnine with Compounds Containing Nitrogen. Denesh Beke and Kalman Kharshani	2166	2108
Synthesis and Conversions of Pyrimidine Derivatives. VIII. The Synthesis of Cytosine.		
R. S. Karlinskaya and N. V. Khromov-Borisov	2170	2113
Acetylene Derivatives. 185. Hydration of Dimethylvinylethinylcarbinol Acetate. Synthesis and Conversion of Unsaturated α-Acetoxy Ketones, L. I. N. Nazarov and S. G. Matsoyan.	2172	2115
Acetylene Derivatives, 186. Hydration of the Acetates of Tertiary Vinylethinyl Carbinols, Synthesis and Conversion of Unsaturated α-Acetoxy Ketones, I. N. Nazarov and S. G. Matsoyan	2184	2128
Investigations in the Field of Substituted 1,5-Diphenylthiocarbazone. VI. Synthesis and Investigation of the Properties of Mono- and Dihaloid-Substituted 1,5-Diphenylthiocarbazone. P. S. Pelkis, R. G. Dubenko and L. S. Pupko	2190	2134
Synthesis and Polymerization of Methoxy Ring-Substituted Styrene. I. Synthesis and Polymerization of Monomethoxystyrenes. N. P. Zapevalova and M. M. Koton	2195	2138
Synthesis and Polymerization of Methoxy Ring-Substituted Styrenes. II. Synthesis and Polymerization of Dimethoxystyrenes. N. P. Zapevalova and M. M. Koton	2200	2142
The Preparation of ω-Hydroxypentadecanoic Acid by the "Crossed" Electrolytic Condensation Method. I. The Electrolytic Condensation of ω-Acetoxyundecanoic Acid and the Monoethyl Ester of Adipic Acid. G. E. Svadkovskaya, S. A. Voitkevich, E. K. Smolyaninova and V. N. Belov	2204	2146
Reaction Products of Epichlorohydrin with Aromatic Amines. I. γ -Chloro-β-Hydroxy-propyl Derivatives of Amines and their Transformation Products. N. N. Vorozhtsov, Jr. and S. I. Kutkevichus	2210	2152
Reaction of Ethers with Aniline and Ammonia. I. Reaction of Diphenyl Ether with Aniline and Ammonia. S. V. Dobrovolsky and V. Ya. Polotnyuk	2218	2161
Reaction of β -Chlorovinyl Ketones With β -Dicarbonyl Compounds. IV. Synthesis of Vinylogs of Esters of β -Ketoacids. N. K. Kochetkov, L. I. Kudryashov, and		
R. A. Aleeva	2224	2166
Investigations in the Field of Polycyclic Compounds. XIV. The Synthesis of Anthraquinone-1-Arsonic and -1-Phosphonic Acids by the Diazo Method. A. M. Lukin and G. S. Petrova	2229	2171
Reaction of 9,10-Dihaloanthracene with Aryl Sulfonamides. A. E. Kretov and M. S. Rovinsky	2232	2174
Synthesis of Thiazole Derivatives. XII. Benzothiazolylrhodanines. V. M. Zubarovsky and T. M. Verbovskaya	2235	2177
	lec	ontinued)

	Page	page
Investigation of Carbonyl Derivatives of Benzene by Spectrographic and other Physicochemical Methods. I. Investigation of 1,3-Diacetylbenzene. F. F. Cheshko and B. G. Distanov	2241	2183
Investigation of Carbonyl Derivatives of Benzene by Spectrographic and other Physicochemical Methods. II. Investigation of 1-Hydroxy-2,4-Diacetylbenzene. F. F. Cheshko and B. G. Distanov	2251	2193
Synthesis of N-Substituted Methacrylamides. II. N-Arylmethacrylamides. T. A. Sokolova	2263	2205
Reactions of Diazoamino Compounds. I. Thermal Decomposition of Carboxy-Substituted Diazoaminobenzene. A. I. Kizber and V. A. Puchkov	2267	2208
Bromination of Ethyl Cyclopentanone-2-Carboxylate and Some of its Derivatives. B. A. Zaputryaev and A. M. Khaletsky	2272	2214
A New Method for the Preparation of Antimonioaromatic Compounds. P. G. Sergeev and A. B. Bruker	2278	2220
The Synthesis of Aromatic Antimony Compounds. VII. The Preparation of p-Fluoro-phenyl Derivatives of Antimony [1]. A. B. Bruker	2282	2223
Reactions of Free Radicals in Solution. X. Mechanism of the Inhibiting Effect of Polyphenols and Aromatic Amines on Styrene Polymerization. B. A. Dolgoplosk and D. Sh. Korotkina	2285	2226
Reactions of Metal Alcoholate Halides. IV. Reactions of Zinc Alcoholate Halides of Primary and Secondary Aromatic Alcohols with Esters. Rybakova	2290	2232
Synthesis of 8-Diiodotyrosine. V. M. Rodionov, N. N. Suvorov, V. G. Avramenko and L. M. Morozovskaya.	2293	2234
Synthesis of N-Substituted Methacrylamides. III. N-Alkylacryl- and N-Alkylmethacrylamides. M. M. Koton, T. A. Sokolova, M. N. Savitskaya and T. M. Kiseleva	2297	223 9
The Reaction of Fluorinated Carboxylic and Thiocarboxylic Acid Halides with Sodium Azide. N. N. Yarovenko, S. P. Motornyi, L. I. Kirenskaya and A. S. Vasilyeva	2301	2243
New Methods of Preparing Fluorinated Carboxylic Acid and Esters of Difluoromethyl Alcohol. N. N. Yarovenko, M. A. Raksha, V. N. Shemanina and A. S. Vasilyeva	2305	2246
δ -Lactones. X. 9.10-Dibromooctahydrocoumarin and Its Reactions. N. P. Shusherina, M. Yu. Lurye and R. Ya. Levina	2309	2250
δ -Lactones. XI. 9,10-Dibromo-7,8-Benzohexahydrocoumarin and its Reactions. N. P. Shusherina, R. Ya. Levina and L. V. Kondratyeva	2314	2255
Chemistry of Selenophene. VII. Synthesis and Acetylation of 3-Arylselenophenes and 2,3-Benzoselenophenes. Yu. K. Yuryev, N. N. Mezentsova, T. A. Melentyeva and E. G. Treshchova	2320	2260
Some Characteristics of N-Benzylated Peptides. II. L. N. Akimova, N. I. Gavrilov and A. A. Akimova	2327	2268
Fluorine Derivatives of Acenaphthene. I. L. M. Yagupolsky and Zh. M. Ivanova	2332	2273
The second secon		ntinueď)
	100	

	Page	Russ.
Synthesis of Substituted 1-Benzyl-3,4-Dihydroisoquinolines. I. N. Gorbacheva, L. P. Varnakova, N. V. Monich, V. M. Polyachenko, A. S. Romanova, L. S. Tulchinskaya and M. S. Shvartsberg.	2336	2276
Investigation of Isocoumarin Derivatives. II. Preparation and Some Reactions of Diethyl Esters of Isocoumarin-3,4-Dicarboxylic Acids. N. N. Vorozhtsov and		
A. T. Petushkova. Synthesis of Some Derivatives of \$\beta\$-Phenylcysteine. T. P. Sicheva, I. V. Lebedeva,	2342	2282
T. Kh. Trupp and M. N. Shchukina	2347	2287
Oil of Catalpa Bignonioides. A. L. Markman and M. D. Bodnya	2353	2293
Synthesis of the Methyl Ester of the Racemic Alkaloid of Dauricine. I. N. Gorbacheva, G. V. Bushbek, L. P. Varnakova, L. M. Shulov and N. A. Preobrazhensky	2358	2297
The Quantitative Analysis of Coumarin by the Alkali Method. N. A. Valyashko and E. G. Berdichevsky.	2363	2302
In Memory of Yu. V. Korshun (1875-1951). A. E. Lutsky	2365	2304
Discussion		
The Second Edition of the Report of the Committee of the Organic Chemistry Section of the Academy of Sciences USSR. "The State of the Theory of Chemical Structure		
in Organic Chemistry [1]. G. V. Chelintsev	2369	2308
Letter to the Editor. N. N. Suvorov	2372	2310

JOURNAL OF GENERAL CHEMISTRY OF THE USSR IN ENGLISH TRANSLATION

September, 1957

	Page	Russ.
A Notable Jubilee. (The Eightieth Anniversary and Fifty-Fifth Year of Scientific Activity of Academician A. E. Arbuzov.) A. N. Pudovik.	2375	2313
Syntheses of Heterocyclic Compounds Based on the Fischer Reaction. I. The Mechanism of the Fischer Reaction. A. E. Arbuzov and Yu. P. Kitaev	2388	2328
Syntheses of Heterocyclic Compounds Based on the Fischer Reaction. II. The Anomalous Course of the Fischer Reaction. A. E. Arbuzov and Yu. P. Kitaev	2401	2341
Some Details of the Preparation of the Free Radical α, α-Diphenyl-β- trinitrophenyl-hydrazyl. A. E. Arbuzov and F. G. Valitova	2413	2354
The Reaction of Halogen Derivatives of Some 8-Disulfones with Sodium Diethylphosphite and Triethyl Phosphite. B. A. Arbuzov and N. P. Bogonostseva	2415	2356
Syntheses of Some Phosphone Sulfides and Phosphone Sulfones. B. A. Arbuzov and N. P. Bogonostseva	2419	2360
Addition of Alcohols to Isoprene Oxide. A. N. Pudovik and S. G. Denislamova	2422	2363
Substitution Reactions of Phosphonium Acetate and Phosphonium Acetone. A. N. Pudovik, L. P. Shchelkina, and L. A. Bashirova	2427	2367
Addition of Complete Esters of Phosphoric and Phosphinic Acids to Conjugated Systems, L. Addition of Trialkylphosphites to Acrylic and Methacrylic Acids. Gil'm Kamai and V. A. Kukhtin	2431	2372
Addition of Complete Esters of Phosphorous and Phosphonous Acids to Conjugated Systems. IL Addition of Trialkylphosphites to Acrolein and Crotonaldehyde. Gil'm Kamai and V. A. Kukhtin	2436	2376
Mixed Esters of 1,1,1-Trichloro- tert-butylphosphite, III. V. S. Abramov and V. K. Khairullin.	2441	2381
Reaction of Dialkylphe-phites with Aldehydes and Ketones, XIV. 1.1,1-Trichloro- tert-butyl 1-Trichloromethylcyclohexyl Esters of Substituted α-Hydroxymethyl- phosphonic acid. V. S. Abramov and V. K. Khairullin	2447	2387
Derivatives of Alkylphosphonous and Phosphonic Acids. VI. Halides and Alkylated Amides of Alkylalkoxyphosphonic Acids. A. I. Razumov, O. A. Mukjacheva, and E. A. Markovich	2450	2389
Derivatives of Alkylphosphonous and Phosphonic Acids, VII, Mixed Esters of Primary Phosphonic Acids. A. I. Razumov, E. A. Markovich, and A. D. Reshetnikova	2455	2394
Isomerization of Monoolefinic Hydrocarbons Under the Conditions of Catalytic Hydrogenation in a Liquid Phase. I. V. Gostunskaya, N. B. Dobroserdova, and B. A. Kazansky	2458	2396
The Investigation of Conjugated Systems. LXXXI. The Order of Bromine Addition to Dialkylvinylethynylcarbinols. A. A. Petrov and K. B. Rall.	2464	2402
Homologs of Monovinylacetylene. VI. The Addition of Methyl Alcohol to Bopropenylacetylene. L. A. Favorskaya and N. N. Kopylov-Shakhmatov	2468	2406

	Page	Russ, Page
Synthesis, Catalytic Hydrogenation and Hydrogenolysis of Unsaturated Esters. A. L.		
Lebedeva and M. M. Monkosha	2472	2410
Investigations in the Field of Polymethylene Ring Systems. XXIX. The Reactions and		
Reaction Products of Cyclic, Aliphatic and Aliphatic-Aromatic 1,3-Diketones with		
Hydrazine and Substituted Hydrazines. N. A. Domnin, Van Syui-Kun and V. A.		
Cherkasova	2478	2415
Synthesis of ω -Aminocarboxylic Acids from α , α , α , ω -Tetrachloroalkanes. A. N.		
Nesmeyanov, R. Kh. Freidlina, L. I. Zakharkin, E. I. Vasilyeva, V. N. Kost and T. T.		
Vasilyeva.,.,	2481	2418
Investigation of Hydroxydihydrofurans. VI. The Reaction of 5,5-Dimethyl-2,4-diphenyl		
2-hydroxy-2,5-dihydrofuran with 2,4-Dinitrophenylhydrazine. E. D. Venus-Danilova,		
L. A. Pavlova and A. Fabritsy	2486	2423
The Catalytic Preparation of Ketones from a Mixture of Acetic Acid and N-Butyl Alcohol.		
B. N. Dolgov, G. V. Golodníkov and Yu. A. Bolshukhina	2493	2430
Derivatives of Mono- and Dianhydrides of Xylite, S. N. Danilov, A. N. Anikeeva, N. S.		
Tikhomirova-Sidorova and A. N. Shirshova	2498	2434
The Polymerization of Unsaturated Organosilicon Compounds under Pressure. V. V. Korshak, A. M. Polyakova, A. A. Sakharova, A. D. Petrov, V. F. Mironov, V. G. Glukhovtsev and		
G. I. Nikishin	2507	2445
_		
Condensation of Δ^3 -Tetrahydrobenzaldehydes with Acetone and Transformation of the Products of this Condensation, I. N. Nazarov, G. P. Kugatova, and G. A. Laumenskas	2511	2450
	MULL	2400
Mechanism of the Catalytic Action of Aluminum Chloride, V. Reactivity of Aromatic	OFRA	2460
Compounds in Alkylation, N. N. Lebedev	2520	2400
Poisoning Action of Some Silanes on Platinum Catalyst. A. F. Plate and N. A. Belikova	2529	2469
Synthesis of Enynes By the Method of Exhaustive Methylation. Ya. M. Slobodin	2533	2473
Synthesis of Organosilicon Compounds. II. Comparative Activity of Various Types of		
Contact Masses used for the Synthesis of Methylchlorosilanes. V. S. Fikhtengolts and		
A, L. Klebansky	2535	2475
Reaction of Some y-Chloroalkyisilane Chlorides with Silicon under the Conditions of Direct		
Synthesis, A. D. Petrov, S. L. Sadykh-Zade, V. A. Ponomarenko, B. A. Sokolov and		
Yu. P. Egorov	2539	2479
Synthesis and Transformations of Oxygen-Containing Organosilicon Compounds. VL Reac-		
tion of Hydrogen-Containing Alkyl(aryl)dichlorosilanes with Organic Alcohols. M. F.		
Shostakovsky, D. A. Kochkin, V. L. Vinogradov, and V. A. Neterman	2546	2487
Chemical Transformations of α-Halo Ketones. V. Action of Sodium Arylates on α-Bromo		
Ketones of Alkaromatic Series, T. I. Temnikova, G. A. Ugolnikova, O. A. Netsetskaya,		
and T. B. Remizova	2550	2491
Synthetic Investigations in the Field of Polyenes. XIII. Synthesis of Polyenic Ketones by		
Pyrolysis of Acetoacetates of Tertiary Acetylenic Carbinols. G. I. Samokhvalov, M. A.		
Miropol'skaya, L. V. Lukyanova and N. A. Preobrazhensky	2560	2501
Interaction of Saits of Arylazocarboxylic Acids with Cis- and Trans-B-Chlorovinylmer-		
curichlorides, O. A. Reutov and E. M. Fedneva.	2565	2506
	(co	ntinued

	Page	Page
Imines of Di- and Polyketones. I. 2-Phenylindandione-1,3. G. Ya. Vanag, Ya. F. Freimanis and G. F. Zakis	2567	2509
Reaction of Hydrazine Derivatives. XV. Cyanoethylation of Pyrazolines. A. N. Kost, V. V. Ershov and S. L Suminov	2572	2514
Syntheses and Transformations of Pyrimidine Derivatives. DX. Sulfo-Derivatives of Cytosine, 4-Methylcytosine and Uracil. N. V. Khromov-Borisov and R. S. Karlinskaya	2576	2518
Reaction Products of Epichlorohydrin with Aromatic Amines. IL 1, 2, 3, 4-Tetrahydro-3-hydroxy-7,8-benzoquinoline. N. N. Vorozhtsov, Jr. and S. I. Kutkevichus	2579	2521
Oxocyclotautomerism of Di-8-hydroxyethylaminoacetone. B. M. Mikhailov and A. N. Makarova	2584	2526
Investigation of Syntheses and Conversions in the Diarylurea Series. L. Synthesis of Diarylureas and Their Derivatives. D. F. Kutepov and N. S. Rozanova	2590	2532
Chemistry of Selenophene. VIII. N-(Selenenal-2)-Amines, 2-Phenyl-4-(Selenenal-2)- Oxazolone-5,5-(Selenenal-2)-Thiazolidon-4-thione-2 (Selenenal-2-Rhodanine) and Selenophen-2-Aldehyde Hydrazothiazolinone. Yu. K. Yurev, N. N. Mezentsova and T. A. Balashova.	2594	2536
Reaction of Nitrosyl Chloride with Unsaturated Hydrocarbons. III. Reaction with Iso-propylethylene. K. A. Ogloblin	2599	2541
The Reactions of Free Radicals in Solution. XL The Mechanism of the Inhibiting Effect of Quinones on the Thermal Polymerization of Styrene. B. A. Dolgoplosk and D. Sh. Korotkina.	2604	2546
The Reactivity of Allyl Derivatives of Tin. M. M. Koton and T. M. Kiseleva	2611	2553
Production of 2-Fluoroethyl Ether of Ethylene Glycol. Yu. M. Zinovyev, V. N. Kulokova and L. Z. Soborovsky.	2615	2558
On the Mechanism of Regrouping α- into β-Naphthalenesulfonic Acid. F. M. Vainshtein and E. A. Shilov	2616	2559
The Synthesis of Thiazolidone Derivatives of Biological Interest. V. The Condensation Reaction of Monochloroacetic Acid with Thiosemicarbazones in the Presence of Hydrochloric Acid. N. M. Turkevich and E. V. Vladzimirskaya	2623	2566
The Problem of the Reaction of Ketene with Nitrogen-Containing Bases. IV. The Acetylation of the Alkaloids of Anabasis by Ketene. Yu. V. Svetkin	2627	2570
Some Properties of p-Toluenesulfonic Acid Esters of 17 B-Hydroxysteroids. VIII. The Position of the Ditertiary Double Bond of 3-B-Acetates of 17-Methyl-18-norandro-		
stenol and Androstadienol. O. S. Madaeva	2630	2573
Reactions of Diketene. V. The Reaction of Diketene with Dihydroxynaphthalenes. V.V. Perekalin and G. D. Padva	2635	2578
N-Thiazolyl- and N-Pyridyl- Derivatives of Carbamido-N'-phosphoric Acid. A. V. Kirsanov and E. S. Levchenko	2642	2585
Syntheses by Means of Acrylonitrile. XXXI. Cyanoethylation of α-Amino Acids and Glycylglycine by β-Chloropropionitrile. A. P. Terentyev and P. F. Butskus	2648	2591
The Synthesis of Aromatic Antimony Compounds. VIII. The Preparation of p-Tolyland 8-Naphthalylantimony Compounds. A. B. Bruker	2651	2593
Studies in the Chemistry of 2,1,3-Thiodiazole. V. Nitration of Some Mono- and Dihalo Derivatives of Benzo-2,1,3- thiodiazole. V. G. Pesin and A. M. Khaletsky	2656	2599

JOURNAL OF GENERAL CHEMISTRY OF THE USSR IN ENGLISH TRANSLATION

October, 1957

		Russ.
	Page	Page
Fundamental Trends and Results of the Development of Chemistry in the USSR in the Last Forty Years. N. A. Domnin	2661	2609
Acetylene Derivatives, 187, Hydration of Diacetates of Acetylenic γ-Glycols, Synthesis of Unsaturated α-Acetoxyketones, III. I. N. Nazarov and S. G. Matsoyan	2676	2629
Geometric Isomerism of Δ ³ -Tetrahydrotolualdehyde. I. N. Nazarov, G. P. Kugatova and V. V. Mozolis	2682	2635
Ethylene Sulfide in the Synthesis of Heterocyclic Compounds with Two Hetero-Atoms. III. 3-Arylthiazolidones-2 From N-(3-Mercaptoethyl)arylamines. Yu. K. Yuryev and S. V. Dyatlovitskaya	2689	2644
Investigation in the Field of the Synthesis of Organosilicon Compounds. III. Study of the Direct Synthesis of Methylchlorosilanes. A. L. Klebansky and V. S. Fikhtengolts	2693	2648
New Methods of Synthesis for the Esters of Polyene Carboxylic Acids. I. I. K. Saricheva, G. A. Vorobyeva and N. A. Preobrazhensky	2698	2653
Synthesis of 2,3,6-Trimethyl-2,6,8-undecatrien-10-one (Pseudoirone). II. I. K. Saricheva, G. A. Vorobyeva and N. A. Preobrazhensky	2707	2662
The Chemical Structure of the Hydrocarbon C ₁₂ H ₁₄ and the Synthesis of New Phenylated 1,3-Diene Hydrocarbons. VII. V. I. Esafov	2711	2667
The Reaction of Chloroalkylalkyldichlorosilanes With Aromatic Compounds in the Presence of AlCl ₃ . E. A. Chernyshev, M. E. Dolgaya and Yu. P. Egorov.	2718	2676
Compounds With Two Electron Donor Systems. II. Color Phenomena in Derivatives of N-(Phenyl-glycyl)-o-(3-nitrobenzoyl)-p-aminophenol. E. A. Smirnov	2724	2682
The Reaction of Alkylhalosilanes With Trialkylsilanes. B. N. Dolgov, S. N. Borisov and M. G. Voronkov	2733	2692
Catalytic Alkylation of Phenol With Methyl Alcohol. I. N. Samsonova	2738	2697
Synthesis of Aromatic Compounds of Antimony. IX. Preparation of Antimonioaromatic Compounds Using Antimony Pentachloride and Phenylhydrazine. A. B. Bruker	2741	2700
Tautomerism of Salts of Aminoazo Compounds. I. N. Zhmurova	2745	2704
Reaction of Halogen Exchange in α-Chloro Sulfides. K. A. Petrov and G. A. Sokolsky	2751	2711
Reaction of Organosilicon Compounds With Phosphorus Chlorides. A. P. Kreshkov and D. A. Karateev	2755	2715
Catalytic Dehydrogenation of Isopentenes Into Isoprene. Yu. N. Usov, E. V. Skvortsova, N. I. Kuvshinova and L. A. Elovatskaya	2761	2721
	((continued)

	Page	Russ. Page
Acetonation of Higher Aliphatic Dihydroxy Acids. P. A. Artamonov	2766	2726
Imines of Di- and Polyketones. II. Trisindandione. G. Ya. Vanag and G. Ya. Dubur	2769	2729
Imines of Di- and Polyketones, III. Benzalindandione. G. Ya. Vanag, E. I. Stankevich and E. Ya. Gren	2773	2733
Iodonium Derivatives of β-Diketones. I. Reactions of Dimedon With Iodosobenzene. E. Gudrinietse, O. Nieland and G. Vanag	2777	2737
Spectroscopic Study of 3-Acylpyrazoles. N. K. Kochetkov and Ivan Ambrush	2781	2741
Synthesis of Aryl &-Acylvinyl Sulfones and Aryl &-Acylvinyl Sulfoxides. N. K. Kochetkov and V. N. Vinogradova	2785	2745
Allylic Rearrangements. XIX. Reactions of Organomagnesium Compounds and Diethyl Sodium Phosphite With Isomeric Isoprene Hydrochlorides and Methoxychloroisohexenes. A. N. Pudovík and I. V. Shergina	2789	27 50
Dealkylation of Isomeric Tributenyl Phosphites with Hydrogen Chloride. A. N. Pudovik	2794	2755
Problems in the Structure of Cotarnine Derivatives. III. Structure of "Hydrocotarnineacetic Acid". Denesh Beke, Kalman Kharshani and Iene Kereshi	2798	2760
Problems in the Structure of Cotarnine Derivatives. IV. Structure of Products of the Condensation of Cotarnine With Acetone. Denesh Beke and Kalman Kharshani	2804	2767
Reactions of Free Radicals in Solutions. XIII. Study of the Mechanism of the Inhibiting Effect of Quinones on the Initiation of Polymerization. B. A. Dolgoplosk and G. A. Parfenova	2810	2773
Investigation of the Sulfonation Reactions. XLIII. Sulfonation of Benzene to Disulfonic Acids. A. A. Spryskov and S. P. Starkov	2816	2780
Halogenation of Aromatic Silanes. V. Preparation and Properties of Chlorobenzyl- and Chloro-p-tolyltrichlorosilanes Containing Chlorine Atoms in the Aliphatic Part of the Radical. G. V. Motsarev and A. Ya. Yakubovich	2822	2786
Sulfonic Acids of Sulfones as Side Products in Sulfonation Processes. IV. Investigation of the Possibility of Polarographic Determination of Sulfonic Acids of 4,4'-Dimethyl-diphenyl Sulfone, 4,4'-Dichlorodiphenyl Sulfone and 2,2'-Dinaphthyl Sulfone. A. P. Shetter and N. A. Oripous.	2826	2790
Preparation of Difluoroketene and its Polymer. N. N. Yarovenko, S. P. Motornyi and L. I. Kirenskaya	2832	2796
A Study of the Mechanism of the Reaction of Tertiary Amines With Esters. S. V. Vitt and R. V. Kudryavtsev	2835	2799
Reaction of the Simplest Olefins With Aqueous Solutions of Formaldehyde and Acetal- dehyde. M. I. Farberov, Ya. I. Rotshmein, A. M. Kutin and N. K. Shemyakina	2841	2806
Trichlorophosphazosulfonenitroaryls and Their Hydrolysis Products. A. V. Kirsanov and N. G. Feshchenko	2852	2817
The Neutral Form of a Diazo Compound. I. V. Grachev, G. G. Gusev and D. Z. Zavelsky.	2856	2820
The Reaction of a Hydrochloric-Acid Solution of Iodine Trichloride With Certain Unsaturated Compounds. Ya. A. Fialkov and F. E. Kagan	2865	2830

		Russ.
	Page	Page
The Replacement of the Halogen Atom in Phenazine Halides by Methoxy, Hydroxy, Amino		
and Mercapto Groups. V. P. Chernetsky	2869	2833
The Synthesis of Substantive Dyes of the Biquinoline Series. L. N. Goldyrev.	2874	2837
Vinylation of D-Glucose and Its Acetone Derivative. I. B. I. Mikhantyev and V. L. Lapenko	2877	2840
5-Halofurylacrylic Acids and Their Derivatives. Z. N. Nazarova and M. I. Pimenova	2879	2842
Syntheses and Transformations in the Diarylurea Series. II. Synthesis of Chlorine-Substituted Diarylureas. D. F. Kutepov and N. S. Rozanova	2882	2845
Syntheses and Transformations in the Diarylurea Series. III. Synthesis of Fluorine-Substituted Diarylureas. D. F. Kutepov and N. S. Rozanova	2885	2848
Investigation of Carbonyl Derivatives of Benzene Using Spectrographic and Other	2000	2040
Physicochemical Methods. III. Investigation of 1,3-Dihydroxy-4,6-diacetyl- benzene and its Mono- and Di-Methyl Ethers. F. F. Cheshko and B. G. Distanov	2888	2851
Catalytic Condensation of Acetylene with Aromatic Amines. XXVI. Catalytic Conden-		
sation of Compressed Acetylene With Aromatic Amines in Vapor Phase. N. S. Kozlov and S. Ya. Chumakov	2894	2861
Synthesis of 1-(4'-Sulfonophenyl)-3-methylpyrazolone-5 From Diketene and 4-Sulfonophenylhydrazine. P. A. Levin	2900	2864
Condensation of Propylene Oxide With Some Aromatic Hydrocarbons. V. R. Likhterov and V. S. Etlis	2903	2867
Synthesis of a , B - Dimercaptopropionic Acid, Containing Radioactive Sulfur. A. B. Silaev, An. N. Nesmeyanov, V. M. Fedoseev and N. V. Kondakova	2907	2871
Synthesis of Diethylaminoethanol, Labeled With Radiocarbon C14 in One of the Ethyl		0071
Groups. L. B. Dashkevich	2910	2874
The Initiating Effect of Some Acyl Peroxides. K. S. Minsker and L. V. Stupen	2912	2875
The Thermochemistry of Substitution in the Aromatic Nucleus. I. The Heat Effect in the Sulfonation of Resorcinol. V. N. Kiselnikov and T. S. Kazas	2914	2877
Synthesis Using Acrylonitrile. XXXII. Some Derivatives of Cyanoethylated α-Amino Acids. A. P. Terentyev and P. F. Butskus	2921	2884
Synthesis of Some Thiodialdehyde Acetals. S. M. Gurvich	2925	2888
Aminoacyl Derivatives of Nucleosides. I. Synthesis of N ₆ -Aminoacyl and N ₆ -Peptide Derivatives of 3-\$\beta\$-D-Glucopyranosylcytosine. Z. A. Shabarova, N. I. Sokolova and M. A. Prokofyev	2928	2891
The Synthesis of Thiazolidone Derivatives of Biological Interest. VI. The Condensation Reaction of Monochloroacetic Acid and Thiosemicarbazide in the Presence of		
Aldehydes. E. V. Vladzimirskaya	2934	2898
The Representation of the Periodic System of the Elements. A. M. Vasilyev	2938	2902
Letters to the Editor	2943	2907

November, 1957

TABLE OF CONTENTS

		Russ.
	Page	Page
Salts of Imidosulfamide. II. L. M. Volshtein and M. M. Slutskaya	2945	2913
Investigation of Phase Equilibria in the Pyramidon-Diethylamine-Water System. I. L. Kru-patkin and I. A. Todorov	2948	2916
Dipole Moments of Complex Compounds of Zirconium Tetrachloride with Esters of Monobasic Acids, XII. O. A. Osipov and Yu. B. Kretenik	2953	2921
Study of the Composition of C ₆ Hydrocarbons By-products of the Catalytic Synthesis of Divinyl from Alcohol. G. M. Sinaisky, T. V. Ratner, V. P. Makarova, Yu. A. Gorin, V. S. Ivanov and L. V. Alferova.	2959	2927
Condensations of 5-Halofurfurals with Methyl Ketones. I. Condensation with Acetone. Z. N. Nazarova.	2964	2931
Condensation of Dienic Compounds with Methyl Methacrylate. The Synthesis of Hydroaromatic Alcohols and Hydrocarbons. N. P. Sopov and M. L. Kovner.	2968	2936
Investigations on Conjugated Systems. LXXX. Infrared Spectra of Some Acetylenic and Vinylacetylenic Alcohols. A. A. Petrov and G. I. Semenov	2974	2941
Investigations on Conjugated Systems. LXXXI. Infrared Spectra of some α,β-Unsaturated Acetylenic Aldehydes and Ketones. A. A. Petrov and G. I. Semenov	2980	2947
Derivatives of Acetylene. 188. Cyclization of Unsaturated α-Ketoalcohols and of 2-Keto-1,4-Diols to Tetrahydrofuran-3-ones. I. N. Nazarov and S. G. Matsoyan	2984	2951
Acetylene Derivatives. 189. Synthesis and Transformations of 3-Vinylethynyltetra- hydrofuran-3-ols. I. N. Nazarov, S. G. Matsoyan, S. A. Vartanyan and V. N. Zhama- gortsyan	2992	2961
Determination of Primary Chlorides of the Allylic Type in Mixtures with Isomeric Tertiary Chlorides. K. V. Leets, A. I. Pilyavskaya and M. I. Korovkina	2999	2969
The Vinylation of Monoacetone-D-Glucose. B. I. Mikhantyev and V. L. Lapenko	3003	2972
Synthesis of 2-Vinylpyridine and 2-Vinylquinoline. M. M. Koton and O. K. Sumina	3005	2974
Investigation of the Formation of Diacetylenic Compounds From Monosubstituted Acetylene Derivatives. I. The Mechanism of Formation of Diacetylenic Compounds. A. L. Kle- bansky, I. V. Grachev and O. M. Kuznetsova	3008	2977
Synthesis of Organosilicon Compounds. IV. Hydrolysis of Dimethyldichlorosilane by Methyl Alcohol With Formation of Linear Polysiloxanes and Methyl Chloride. V. S. Fikhtengolts, A. L. Klebansky and K. A. Rzhendzinskaya	3014	2984
Synthesis of Some Alkylbenzenes and Alkylcyclohexanes of the Composition C ₁₄ -C ₁₅ . A. D. Petrov and E. P. Zakharov	3018	2990

	Page	Russ. Page
	6-	80
Synthesis of 2,3,6-Trimethyloctadien-2,7-ol-6 (3-Methyllinalool). I.K. Sarycheva, G. A. Vorobyeva, L. G. Kucheryavenko and N. A. Preobrazhensky	3023	2994
Reactions of Magnesyl Amines. II. Synthesis and Properties of Arylamides of 9-Hydroxy-fluorene-9-carboxylic Acid. P. A. Petyunin and I. S. Berdinsky	3028	2999
Synthesis of Methylpentadiene on the Basis of Isobutylene and Acetaldehyde.		
M. I. Farberov and K. A. Machtina	3030	3001
Derivatives of Hexamethyleneimine. II. Synthesis of Hexamethyleneamides of Organic Acids. G. S. Kolesnikov, T. V. Smirnova, L. L. Mizrakh, N. N. Mikhailovskaya and L. I. Shcherbo	3034	3005
Carbochain Polymers and Copolymers. II. Synthesis and Polymerization of 2-Alkoxystyrenes. G. S. Kolesnikov and G. M. Pogosyan.	3038	3009
Investigations in the Naphthalene Series. XVII. The Photosensitivity of Aromatic Selenium-Containing Compounds. 1-Nitronaphthalene-5-, 1-Nitronaphthalene-2- and 1-Nitro-		
naphthalene-4-selenious Acids. V. V. Kozlov. ,	3041	3011
N. P. Solovyeva, E. K. Smolyaninova and V. N. Belov	3045	3015
Reduction by Formic Acid and its Derivatives. VII. Reduction of Compounds Containing the Pyridine Nucleus. L. G. Yudin, A. N. Kost, Yu. A. Berlin and A. E. Shipov	3051	3021
Synthesis of Lepidine Bases From Arylamines and Carbonyl Compounds. B. A. Tertov and B. I. Ardashev	3056	3026
Aminoacyl Derivatives of Nucleosides. II. Structure and Properties of Aminoacyl and Peptide Derivatives of 3-8-D-Glucopyranosylcytosine. Z. A. Shabarova, N. I. Sokolova and M. A. Prokofyev	3058	3028
The Thermal Isomerization of Allylaryl Sulfides. E. N. Karaulova, D. Sh. Meilanova and G. D. Galpern	3064	3034
Haloarylation of Unsaturated Compounds With Aromatic Diazo Compounds. VI. The Absorption Spectra in the Ultraviolet and Visible Regions of Arylbutenes, Arylbutadienes and Arylbutenynes. N. B. Kupletskaya, A. V. Dombrovsky and A. P. Terentyev	3070	3041
Haloarylation of Unsaturated Compounds With Aromatic Diazo Compounds. VII. Reactions With Acrolein and Crotonaldehyde. A. V. Dombrovsky, A. M. Yurkevich and A. P. Terentyev	3077	3047
Haloarylation of Unsaturated Compounds With Aromatic Diazo Compounds. VIII. Chloro- arylation of Phenyl-, Vinyl- and Isopropenylacetylene. A. V. Dombrovsky	3080	3050
The Effect of the Nature of the Metal in Metal Derivatives of a Ketoenol System on the Direction of O- and C-Substitution. V. A. Zagorevsky	3084	3055
The Reactions of Alkyl Esters of Trichloromethylphosphinic Acid With Alkylamines. Gilm Kamai and F. M. Kharrasova	3093	3064
A Study of Sulfonation. XLIV. Isomerization of Benzenedisulfonic Acids. S. P. Starkov and A. A. Spryskov	3097	3067
A Study of Sulfonation. XLV. Determination of Isomeric Chlorobenzenesulfonic Acids. A. A. Spryskov and O. I. Kachurin	3111°	3072
• Due to an error in pagination which was discovered too late to remedy, there is a ten-page juliast page of the previous article and the first page of this article.	ımp betw	een the

	Page	Russ. Page
Oxamic Esters of the Aromatic Series. A. V. Kirsanov and V. P. Molosnova	3115	3075
Salts of Arylsulfonamidophosphoryl Dichlorides. E. S. Levchenkov and A. V. Kirsanov	3118	3078
The Reactions of Free Radicals in Solutions, XII. Investigation of the Mechanism of the Inhibiting Action of Polyphenols and Aromatic Amines on the Process of the Initiation of Polymerization. B. A. Dolgoplosk and G. A. Parfenova	3122	3083
2-Nitro-5-phenyl-1,3-cylohexanedione and its Derivatives. E. Yu. Gudriniece, D. K. Kurgan and G. Ya. Vanags	3127	3087
The Preparation and Properties of Some Derivatives of Thioxanthene-5-dioxide With Indicator Properties. V. S. Etlis and G. A. Razuvaev	3132	3092
Investigations in the Field of Cyanine Dyes. XI. Some 7,7°-Dimethylthiacarbocyanines. I. I. Levkoev, N. N. Sveshnikov, E. Z. Kulik and T. V. Krasnova	3138	3097
Investigation in the Field of Synthesis and Conversions in the Series of Diaryl Ureas. IV. Synthesis of Diaryl Ureas, Substituted in the Ring by Haloids and Other Substituents. D. F. Kutepov and N. S. Rozanova.	3147	3107
Compounds With Two Hemin Indandione Groups in the Molecule. L. S. Geita and G. Ya. Vanags	3149	3109
The Synthesis of Certain Amino- and Nitro Derivatives of Biphenyl, Containing 2,2'Dimethoxy and 3,3'-Dimethyl Groups. L. M. Litvinenko, A. P. Grekov and L. D. Shapoval	3154	3115
Catalytic Condensation of Acetylene With Aromatic Amines. XXX. Catalytic Synthesis of m-Nitro, Amino, and Sulfonamido Derivatives of 2-Phenylquinoline and 2-Phenyl5,6-benzoquinoline. N. S. Kozlov and O. K. Kozminykh	3160	3122
Some New Derivatives of Piaselenole and Their Absorption Spectra. L. S. Efros and Z. V. Todres-Selektor	3165	3127
Synthesis of Bicyclic Systems, Starting From 2,6-Lutidine. I. Synthesis of 9-Methyl-2- -Hydroxy-9-Azabicyclo[3,3,1]Nonane. E. S. Nikitskaya and M. V. Rubtsov	3171	3133
Investigations in the Field of Substituted Phenylosazones and Phenylhydrazones. I. The Effect of Individual Substituents on the Indicating Properties of some Phenylosazones and Phenylhydrazones. N. V. Chugreeva	3174	3136
Structure and Reactivity of Aromatic Hydrocarbons. II. The Azo-Coupling Reaction of Phenylated Ethylenes with p-Nitrodiazobenzene Hydrochloride. V. V. Razumovsky and E. F. Rychkina	3181	3143
Ethylene Sulfide in the Synthesis of Heterocyclic Compounds With Two Heteroatoms. IV. Synthesis of 3-Arylthiazolidines and 4-Arylthiazanes-1,4. Yu. K. Yuryev and S. V. Dyatlovitskaya	3186	3148
Ethylene Sulfide in the Synthesis of Heterocyclic Compounds With Two Heteroatoms. V. Synthesis of 3-Arylthiazolidinethiones-2. Yu. K. Yuryev and S. V. Dyatlovitskaya	3190	3152
Chemistry of Selenophene. IX. Condensation of Selenophene-2-carboxaldehyde With Methyl Ketones. Synthesis and Reactions of 2-Methylselenophene-5-carboxaldehyde. Yu. K. Yuryev, N. N. Mezentsova and V. E. Vaskovsky	3193	31 55
Alkaloids of Piptanthus Nanus. Isolation of Isopiptanthine. N. F. Proskurnina	3198	3160

	Page	Russ, Page
Synthesis of Alkaloid Arecoline and its Homologs. N. A. Preobrazhensky, K. M. Malkov, M. E. Maurit, M. A. Vorobyev and A. S. Vlasov	3200	3162
Study of Alkaloids From Carex Brevicollis D. C. I. V. Terentyeva and G. V. Lazuryevsky	3207	3170
A Discussion. The Problem of σσ-Conjugation. V. I. Minkin	3210	3173
Letter to the Editor	3213	3176

December, 1957

·		Russ.
	Page	Page
Nikolai Alexandrovich Menshutkin. (Fiftieth Anniversary of his death). D. N. Monastyrskii	32 15	3181
Derivatives of Bicyclo(1,2,2) Heptane. III. 2-Acythlcyclo(1,2,2)Heptenes-2 and some of Their Reactions. N. K. Kochetkov and A. Ya. Khorlin	3217	3182
Catalytic Alkylation of Phenol with Ethyl Alcohol. I. N. Samsonova and L. I. Khotyntseva	3224	3189
The Formation and Hydrolysis Kinetics of Monolactones of D-Glucosaccharic and D-Talomucic Acids. L. Mai	3228	3192
The Reaction of Ethers with Aniline and Ammonia. II. Reaction of Anisole with Aniline. S. V. Dobrovdsky and V. Ya. Polotnyuk	3232	3196
Synthesis of Branched Triacetylene Hydrocarbons. II. Preparation of 4,4,7,7- Tetramethyldecatriyne-2,5,8 and 3,3,6,6-Tetramethyl-1,8-Diphenyl- Octatriyne-1,4,7. A. I. Zakharova and G. D. Illylna	3237	3201
Synthesis of p-, o- and m-Nitroethylbenzenes. P. M. Kochergin	3240	3204
Catalytic Amination of Organic Compounds. VI. Amination of Esters of Aliphatic Acids. N. S. Kozlov and N. I. Panova	3244	3208
Investigation in the Isoxazole Series. IV. Synthesis of some Amines of the Isoxazole Series. N. K. Kochetkov, E. D. Khomutova, M. A. Karpeisky and R. M. Khomutov	3247	3210
Investigations in the Field of Thioindigoid Dyes. I. Synthesis of Thiophenols and S-Arylthioglycolic Acids. G.M. Oksengendler and Yu. E. Gerasimenko	3251	3214
The Reaction of 3-Phenyloxazolidine with Phenol, 2,6-Dimethylphenol and 2,4-Dimethylphenol. K. D. Petrov, O. K. Gosteva and V. I. Pukhova	3254	3218
Investigation of the Structural Features and Chemical Conversions of Carbazole and some of Its Derivatives. I. Absorption Spectra of Carbazole and some of Its Derivatives in the Ultraviolet. S. I. Omelchenko, Z. V. Pushkareva and S. G. Bogomolov	3257	3220
The Spectrophotometric Investigation of Diphenylamine and Its Derivatives in Concentrated Sulfuric Acid. II. The Absorption Spectra of Disubstituted p-Hydroxy and p-Methoxy Derivatives of Diphenylamine. P. M. Bugai	3263	3226
The Spectrophotometric Investigation of Diphenylamine and Its Derivatives in Concentrated Sulfuric Acid. III. Comparison of the Absorption Spectra of Various p-Hydroxy- and p-Methoxy Derivatives of Diphenylamine. P. M. Bugai	3271	3234
	(00	ntinued)

		Russ.
	Page	Page
Dialkyl Amides of Triaroxyphosphazosulfuric Acids and Aromatic Esters of N,N-Dialkylsulfamido-N*-Phosphoric Acids. A.V. Kirsanov and Z.D.		
Nekrasova	3278	3241
Trichlorophosphazo Acyls, Trichloroisophosphazo Acyls and Their Derivatives. A. V. Kirsanov and G. I. Derkach	3284	3248
The Absorption Spectra and Structures of Substituted Quinolines, Used as Starting Materials for Anti-Malarials. IV. Absorption Spectra and Structure of Neoplasmoquin. V.I. Bliznyukov and L.S. Sokol	3290	3254
Reaction of α-Alkoxyacrylonitriles with Mercuric Acetate. Preparation of Esters of Monomercurated Acetic Acid. I. F. Lutsenko, L. P. Badenkova and V. L.	0200	0201
Foss	3296	3261
Tetraacyloxysilanes in Organic Synthesis. X. The Relative Effect of Catalysts in the Acylation of Benzene and Thiophene with Tetraacyloxysilanes. Yu. K. Yuryev, Z. V. Belyakova and N. S. Zefirov	3299	3264
Ethylene Sulfide in the Synthesis of Heterocyclic Compounds With Two Hetero- atoms. VI. N-(B-Mercaptoethyl)-p-Chloroaniline and Its Condensation with Aldehydes, Phosgene and Carbon Disulfide. Yu. K. Yuryev, S. V.	3306	3271
Dyatlovitskaya and L. G. Bulavin	3300	3211
Synthesis of Thiazolidone Derivatives of Biological Interest. VII. Synthesis of N-Substituted Rhodanine Derivatives Starting from Thiocyanoacetates. V. G. Zubenko and N. M. Turkevich	3311	3275
The Nitration of Phthalones. L. Zalukaev and E. Vanag	3314	3278
The Reactions of Pyridinium Salts. I. Synthesis of Chlorodinitrophenylates of Substituted Pyridine Bases. A.F. Vompe and N.F. Turitsyna	3318	3282
The Chemistry of Xanthogenates and Viscose. VI. The interrelation of Viscose Components. S. N. Danilov and N. F. Gintse	3326	3290
Synthetic Anesthetics. XVII. Esters of 3-Dialkylamino-2-Methyl-1,1-Dialkyl-propan-1-ols. I.N. Nazarov and L. Z. Kazaryan	3336	3302
Synthetic Anesthetics. XVIII. Anilides and Substituted Amides of B-Dialkyl-aminoisobutyric and some Aromatic Acids. I.N. Nazarov and L. Z. Kazaryan	3343	3309
Electroreduction as a Method for Investigating Protein. I. Study of Substances Formed by the Electroreduction of Certain Diketopiperazines. T. I. Orlova and N. I. Gavrilov	3348	3314
Investigation of the Synthesis of Organosilico Compounds. V. Preparation of Polysiloxanes with Mixed Radicals. A.L. Klebansky, V. S. Fikhtengolts and A.V. Karlin	3355	3321
Tautomerism of Acridine Compounds. Structure of 9-(p-Hydroxyphenyl)-		
and 9-(p-Hydroxystyryl)acridines. N. F. Kazarinova and I. Ya. Postovsky	3359	3325

	Page	Russ. Page
Steric Hindrance and Reactivity. XI. Hindered Internal Rotation and Kinetics of Acylation of 2,2'-Dimethoxy and 3,3'-Dimethyl Derivatives of 4-Amino-biphenyl and 4-Amino-4'-Nitrobiphenyl. L. M. Litvinenko and A. P. Grekov	3366	3332
Reactions of Hydrazine Derivatives, XVI. The Action of Benzyl Chloride on Acylhydrazones. A. N. Kost and R. S. Sagitullin	3373	3338
Reactions of Hydrazine Derivatives. XVII. New Synthesis of α-Methyltrypto- phol. I. I. Grandberg, A. N. Kost and A. P. Terentyev	3378	3342
Haloarylation of Unsaturated Compounds by Aromatic Diazo Compounds. IX. Synthesis of α-Halo-β-Arylpropionic and β-Arylisobutyric Acids. A. B. Dombrovsky, A. M. Yurkevich and A. P. Terentyev	3381	3346
Preparation and Transformation of p-Diethylbenzene Hydroperoxide. P.G. Sergeev and A.M. Sladkov	3384	3349
Synthesis of Alkalold Magnolamine. I. N. Gorbacheva, M. I. Lerner, G. G. Zapesochnaya, L. P. Varnakova and N. A. Preobrazhensky	3388	3353
Alkaloids of Four Species of Ungernia. S. Yu. Yunusov and Kh. A. Abdua- zimov	3393	3357
Alkaloids of Peganum Harmala L. I. Isolation of Two New Alkaloids. N. I. Koretska ya	3397	3361
Alkaloids of Leucojum Aestivum. Isolation of Isotazettine. N. F. Pros-kurnina	3401	3365
Paths for the Synthesis of the Alkaloid Dauricine. I. N. Gorbacheva, L. A. Nikolaeva and N. A. Preobrazhensky	3404	3367
Paths for the Synthesis of the Alkaloid Isochondodendrine. Cyclo {Bis(4-[3-(B-Aminoethyl)Phenoxy]Phenylacetyl)}. E. N. Tsvetkov, I. N. Gorbacheva and N. A. Preobrazhensky	3407	3370
Complex Compounds of SnCl ₄ , SnBr ₄ and TiCl ₄ with Cineole. T. Sumarokova and Yu. Nevskaya	3412	3375
An Approximate Method for Calculation of Melting Points in Homologous Series. M. Kh. Karapetyants	3416	3379
Mechanism of Formation of Guanidine Carbonate from Cyanoguanidine, Ammonium Bicarbonate, and Ammonia in Aqueous Solution. S. N. Kazarnovsky and N. I. Moshchanskaya	3423	3386